



DEPARTMENT OF THE AIR FORCE  
AIR FORCE REAL PROPERTY AGENCY, LORING/PEASE/O'HARE  
LORING AIR FORCE BASE, MAINE

EPA Region 5 Records Ctr.



280409

MEMORANDUM FROM: AFRPA/COO-Loring/Pease/O'Hare  
154 Development Drive, Suite G  
Limestone, Maine 04750

October 5, 2007

FOR: Ms. Karen Mason-Smith  
U.S. EPA Region V  
77 W. Jackson Boulevard  
Chicago, IL 60604-3590

Ms. Charlene Falco  
Illinois Environmental Protection Agency  
1021 North Grand Ave East  
P.O. Box 19276  
Springfield, IL 62794-9276

Subject: Final Five Year Review for O'Hare ARS

A copy of the CERCLA *Five-Year Review Report* for the O'Hare ARS is attached. The Air Force conducted this review pursuant to CERCLA Section 121(c), the NCP Section 300.400(f)(4)(ii) and EPA's *Comprehensive Five Year Review Guidance* (EPA 540-R-01-007 OSWER No. 9355.7-03B-P June 2001). A copy of the report and the USEPA and IEPA concurrence memorandum will be placed in the O'Hare Administrative Record file. We appreciate your support to develop and complete the review. If you have any questions, please call me at (207) 328 -7109.

  
DAVID E. STRANGE/GM-13  
BRAC Environmental Coordinator

Attachment: *Five-Year Review Report*

cc. AFRPA/COO-EC (Carol Devier-Heeney)



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 5  
77 WEST JACKSON BOULEVARD  
CHICAGO, IL 60604-3590

REPLY TO THE ATTENTION OF  
**SR-6J**

August 23, 2007

Mr. David Strainge  
Air Force Base Conversion Agency/DA/Loring/Pease/O'Hare  
154 Development Drive, Suite G  
Limestone, ME 04750

**SUBJECT: Draft First-Five Year Review Report for the Former O'Hare Air Reserve Station, Chicago, IL dated July 2007**

Dear Mr. Strainge:

The United States Environmental Protection Agency Region 5 (U.S. EPA) has reviewed the *Draft First Five-Year Review Report for the Former O'Hare Air Reserve Station, Chicago, Illinois, July 2007 (Report)*. This Five-Year Review includes Landfill 1 and 41 Areas of Concern (AOC) and Installation Restoration Program (IRP) sites. Based upon our review, U.S. EPA supports the conclusions documented in the Report.

The Report appears to be consistent with U.S. EPA's guidance on five-year reviews and institutional controls. The Report reviews the deed restrictions that were included in the selected remedies for the site, confirms that those restrictions were put in place when the property was transferred to the City of Chicago and are still operative, and reports that no violations of the restrictions were found when the property was inspected on May 31, 2007. Consequently, the Report's conclusion that the selected remedies remain protective of human health and the environment appears justified.

This letter is being submitted to you electronically, along with a hard copy via mail. If you have any questions, please contact me at (312) 886-6150.

Sincerely,

A handwritten signature in black ink that reads "Karen L. Mason-Smith". The signature is fluid and cursive, with the first letters of each word being capitalized and prominent.

Karen L. Mason-Smith  
Remedial Project Manager

cc: C. Falco, IEPA  
T. Thurlow, USEPA



# **FINAL FIVE-YEAR REVIEW REPORT**

## **First Five-Year Review Report for the Former O'Hare Air Reserve Station Chicago, Illinois**

**September 2007**

Approved By:

Date:

---

KATHRYN M. HALVORSON  
Director, Air Force Real Property Agency

**FINAL**  
**FIRST FIVE-YEAR REVIEW REPORT**  
**FOR THE**  
**FORMER O'HARE AIR RESERVE STATION**  
**CHICAGO, ILLINOIS**

**Prepared for:**  
Air Force Real Property Agency

**Prepared by:**  
Booz Allen Hamilton Inc.  
San Antonio, TX

**September 2007**



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## LIST OF ACRONYMS

AFBCA	Air Force Base Conversion Agency
AFBU	Air Force Base Unit
AFRPA	Air Force Real Property Agency
AFRCTC	Air Force Reserve Combat Training Center
AOC	Area of Concern
ARS	Air Reserve Station
ARW	Air Refueling Wing
AST	Above Ground Storage Tank
BCTT	Base Closure and Transition Team
bgs	Below Ground Surface
BRAC	Base Realignment and Closure
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
COPC	Chemical of Potential Concern
CORE	Cleanup Objectives Review Evaluation
CT	Central Tendency
CUO	Cleanup Objective
DOA	Department of Aviation
EBS	Environmental Baseline Survey
ELCR	Excess Lifetime Cancer Risk
EO	Executive Order
EPA	Environmental Protection Agency
ERA	Ecological Risk Assessment
ESA	Environmental Site Assessment
ESD	Explanation of Significant Differences
ESI	Expanded Site Investigation
HHRA	Human Health Risk Assessment
HI	Hazard Index
IAC	Illinois Administrative Code
IAP	International Airport
IC	Institutional Control
IEPA	Illinois Environmental Protection Agency

IR	Information Repository
IRP	Installation Restoration Program
Kg	Kilogram
L	Liter
LUC	Land Use Control
MCL	Maximum Contaminant Level
mg	milligram
µg	microgram
NCP	National Oil and Hazardous Substances Contingency Plan
OWS	Oil/Water Separator
PAH	Polynuclear Aromatic Hydrocarbon
PCB	Polychlorinated Biphenyl
POL	Petroleum, Oil, and Lubricants
PRG	Preliminary Remediation Goal
RAO	Remedial Action Objective
RI	Remedial Investigation
RME	Reasonable Maximum Exposure
ROD	Record of Decision
RPM	Remedial Project Manager
SVOC	Semi-Volatile Organic Compound
TACO	Tiered Approach to Corrective Action Objectives
TCE	Trichloroethene
USAF	United States Air Force
UST	Underground Storage Tank
VOC	Volatile Organic Compound

## List of Acronyms

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## **Executive Summary**

## EXECUTIVE SUMMARY

The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) requires that all remedies selected under CERCLA §121 that result in hazardous substances, pollutants, or contaminants remaining at the site be subject to a five-year review. Executive Order 12580 delegated CERCLA remedial responsibilities, including five-year reviews, to the Secretary of Defense, with respect to releases from any facility or vessel under the jurisdiction, custody, or control of the Department of Defense (DoD).

There are two Records of Decisions (RODs) for the Former O'Hare Air Reserve Station (ARS). The Basewide ROD addresses 41 areas of concern (AOCs) and Installation Restoration Program (IRP) sites. The Landfill 1 ROD addresses the former Landfill 1 site located in the northwestern portion of O'Hare ARS and within an adjacent O'Hare International Airport airfield.

Removal actions were performed at eight of the IRP sites in accordance with CERCLA. As documented in the Basewide and Landfill 1 RODs, land use controls and institutional controls (LUCs/ICs) were selected as final remedies for managing soil contamination at Landfill 1 and at all AOCs and IRP sites and the only known groundwater contamination, which is associated with Site IRP-ST-012, South Petroleum, Oil, and Lubricants (POL) Area. LUCs/ICs require five-year reviews to verify that deed restrictions and restrictive covenants established and implemented remain protective of human health and the environment.

The trigger for this Five-Year Review was the date that the Basewide ROD was signed by the Directors of the Illinois Environmental Protection Agency (IEPA) and the former Air Force Base Conversion Agency (AFBCA) on September 30, 2002. This Five-Year Review constitutes the first required review/reporting cycle for the former O'Hare ARS. The review determined that the selected remedies for the Former O'Hare ARS remain protective of human health and the environment and are anticipated to remain protective in the future. LUCs/ICs specified in the Basewide and Landfill 1 RODs remain appropriate. Restrictive covenants required by the RODs were included in property transfer deeds and remain effective. Current and anticipated future use of the property are industrial/commercial in nature and are fully consistent with the LUCs/ICs remedy. Groundwater at the former base is not currently used for any purpose, and LUCs/ICs prohibiting well installation and use are adequate to ensure that significant exposures do not occur in the future.



**Five-Year Review  
Summary Form**

### FIVE-YEAR REVIEW SUMMARY FORM

AIR FORCE INSTALLATION		
<b>Base Name:</b> Former O'Hare Air Reserve Station		
<b>EPA ID:</b> ILD049484181		
<b>Region:</b> 5	<b>State:</b> IL	<b>City/County:</b> Chicago/Cook
INSTALLATION STATUS		
<b>NPL Status:</b> <input type="checkbox"/> Final <input type="checkbox"/> Deleted <input checked="" type="checkbox"/> Other (specify) <u>Not Applicable</u>		
<b>Remediation Status</b> (choose all that apply): <input type="checkbox"/> Under Construction <input type="checkbox"/> Operating <input checked="" type="checkbox"/> Complete		
<b>Multiple OUs?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		<b>Construction Completion Date:</b> _____
<b>Has Base Sites Been Put Into Reuse?</b> <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
REVIEW STATUS		
<b>Lead Agency:</b> <input type="checkbox"/> EPA <input type="checkbox"/> State <input type="checkbox"/> Tribe <input checked="" type="checkbox"/> Other Federal Agency <u>Air Force Real Property Agency</u>		
<b>Author Name:</b> David Strainge		
<b>Author Title:</b> BRAC Environmental Coordinator		<b>Author Affiliation:</b> <u>Air Force Real Property Agency</u>
<b>Review Period:</b> <u>04/01/07</u> to <u>06/30/07</u>		
<b>Date(s) of Site Inspection:</b> <u>05/31/07</u>		
<b>Type of Review:</b> <div style="display: flex; justify-content: space-between; margin-top: 10px;"><div><input type="checkbox"/> Post-SARA</div><div><input type="checkbox"/> Pre-Sara</div><div><input type="checkbox"/> NPL-Removal Only</div></div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"><div><input checked="" type="checkbox"/> Non-NPL Remedial Action Site</div><div><input type="checkbox"/> NPL State/Tribe-lead</div></div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"><div><input type="checkbox"/> Regional Discretion</div></div>		
<b>Review Number:</b> <input checked="" type="checkbox"/> 1 (first) <input type="checkbox"/> 2 (second) <input type="checkbox"/> 3 (third) <input type="checkbox"/> Other (specify)		
<b>Triggering Action:</b> <div style="margin-top: 10px;"><input type="checkbox"/> Actual RA On-site Construction at OU #____    <input type="checkbox"/> Actual RA On-site Construction at OU #____</div> <div style="margin-top: 5px;"><input type="checkbox"/> Construction Completion        <input type="checkbox"/> Previous Five-Year Review Report</div> <div style="margin-top: 5px;"><input checked="" type="checkbox"/> Other (specify) <u>First ROD (Basewide ROD) was signed and accepted by the regulators</u></div>		
<b>Triggering Action Date:</b> <u>September 30, 2002</u>		
<b>Due Date (five years after triggering action date):</b> <u>September 30, 2007</u>		

OU – Operable Unit

### FIVE-YEAR REVIEW SUMMARY FORM, cont'd.

#### ISSUES

No significant issues were identified that would question the protectiveness of the final remedies for any of the sites at the Former O'Hare ARS.

#### RECOMMENDATIONS AND FOLLOW-UP ACTIONS

As described above, no issues were identified during the five-year review that would necessitate follow-up actions. The following actions are recommended to ensure that the existing LUCs/ICs remedies remain effective over the long-term:

- The Air Force should maintain contact with the Chicago Department of Aviation (DOA) to reinforce the LUCs/ICs implementation requirements on an ongoing basis and ensure that such requirements are transferred to any future property owners or tenants.
- Inspections, interviews, and protectiveness evaluations should be conducted every five-years, in conjunction with subsequent five-year reviews to ensure ongoing compliance with the LUCs/ICs and remedy protectiveness.

#### PROTECTIVENESS STATEMENT(S)

The selected remedies for the Former O'Hare ARS remain protective of human health and the environment. LUCs/ICs specified in the Basewide and Landfill 1 RODs remain appropriate. Restrictive covenants required by the RODs were included in property transfer deeds and remain effective. Groundwater at the former base is not currently used for any purpose.

#### LONG-TERM PROTECTIVENESS

The selected remedies for the Former O'Hare ARS are anticipated to remain protective in the future. Current and anticipated future use of the property are industrial/commercial in nature and are fully consistent with the LUCs/ICs remedy. LUCs/ICs prohibiting well installation and use are adequate to ensure that significant exposures do not occur in the future.

#### OTHER COMMENTS



## Introduction

**FORMER O'HARE AIR RESERVE STATION (ARS)  
CHICAGO, ILLINOIS  
FIRST FIVE-YEAR REVIEW REPORT**

## **1.0 INTRODUCTION**

The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) requires that all remedies selected under CERCLA §121 that result in hazardous substances, pollutants, or contaminants remaining at the site, be subject to a five-year review. The purpose of the five-year review is to determine whether the remedies at a site remain protective of human health and the environment. The five-year review report documents the methods, findings, and conclusions of the protectiveness evaluation; identifies issues found during the review, if any; and provides recommendations to address the issues.

The U.S. Air Force Real Property Agency (AFRPA) prepared this five-year review pursuant to CERCLA §121, the National Oil and Hazardous Substances Pollution Contingency Plan (NCP), and Executive Order (EO) 12580. CERCLA §121 states:

*If the President selects a remedial action that results in any hazardous substances, pollutants, or contaminants remaining at the site, the President shall review such remedial action no less often than each five years after the initiation of such remedial action to assure that human health and the environment are being protected by the remedial action being implemented. In addition, if upon such review it is the judgment of the President that action is appropriate at such site in accordance with the section [104 or 106], the President shall take or require such action. The President shall report to the Congress a list of facilities for which such review is required, the results of all such reviews, and any actions taken as a result of such reviews.*

EO 12580 establishes the Department of Defense (DoD) as the CERCLA lead agency for environmental restoration sites at their facilities. EO 12580 states:

*The functions vested in the President by Sections 104(a), (b), and (c)(4), 113(k), 117(a) and (c), 119, and 121 of the Act (i.e., CERCLA) are delegated to the Secretaries of Defense and Energy, with respect to releases or threatened releases where either the release is on or the sole source of the release is from any facility or vessel under the jurisdiction, custody, or control of their departments.*

The NCP further establishes the lead agency's responsibility to conduct five-year reviews at CERCLA remedial action sites. The NCP [40 CFR §300.430(f)(4)(ii)] states:



*If a remedial action is selected that results in hazardous substances, pollutants, or contaminants remaining at the site above levels that allow for unlimited use and unrestricted exposure, the lead agency shall review such action no less often than every five years after the initiation of the selected remedial action.*

This five-year review was conducted by AFRPA in accordance with their responsibilities as the CERCLA lead agency at the former O'Hare Air Reserve Station (ARS), Chicago, Cook County, Illinois. The review was conducted between March and September 2007 and is the first five-year review for the Former O'Hare ARS. It evaluates the ongoing protectiveness of land use controls/institutional controls (LUCs/ICs) that were identified as the final remedy for residual contamination at 41 sites addressed by the Final Basewide Record of Decision (ROD) (MWH, 2002) and Final Landfill No. 1 ROD (AFRPA, 2005).

The report is structured to address all applicable elements identified in Exhibit 3-3, Contents of a Five-Year Review Report, of the Comprehensive Five-Year Review Guidance (EPA, June 2001). The following table identifies the location of each recommended element within the report.

**Table 1-1. Five-Year Review Report Organization**

Report Element	Section
Introduction	1
Chronology of Installation Operations <sup>1</sup>	2
Site Chronology	3
Background	4
Remedial Actions	5
Progress Since Last Review	N/A <sup>2</sup>
Five-Year Review Process	6
Technical Assessment	7
Issues	8
Recommendations and Follow-Up Actions	9
Protectiveness Statement(s)	10
Next Review	11

<sup>1</sup> This section is not required by the guidance but was added to clarify the scope and applicability of the review.

<sup>2</sup> This section is not applicable for the first five-year review. No prior reviews or protectiveness determinations have been conducted.



## **2.0 CHRONOLOGY OF INSTALLATION OPERATIONS**

The Former O'Hare ARS site was a small farming community called Orchard Place, which had been settled by German immigrants and New England pioneers in the 1840s and developed into a railroad stop in 1887. Initially called Orchard Place Airport, the Former O'Hare ARS was activated in October 1942, when the government acquired a number of tracts of farm land. The War Assets Corporation erected buildings on this land and leased it in June 1943, to Douglas Aircraft Company as an assembly plant for the C-54 cargo aircraft. The plant was closed in the fall of 1945.

In 1946, the site was reactivated as a military installation when the 803rd Army Air Force Reserve Specialized Depot assumed control of the site. During this time, the 141st Air Force Base Unit (AFBU) for reserve training was activated at the renamed Douglas-Orchard Airport.

In 1948, the 141st AFBU was replaced by the 2471st Air Force Reserve Combat Training Center (AFRCTC). In 1949, both the 437th and the 441st Troop Carrier Wings Reserve were activated. In 1949, the military portion was redesignated United States Air Force O'Hare Field, Chicago International Airport (named for naval aviator Lt. Commander Edward H. "Butch" O'Hare).

From October 1950 until December 1957, the 2471st AFRCTC remained the supervisory unit. In 1955, the airfields were opened to commercial traffic and in 1958, the 928th Air Lift Wing was designated as the host unit.

The Former O'Hare ARS was added to the approved closure list as part of the 1995 round of Base Realignment and Closure (BRAC). As part of the transition for closure of the base, the 928th Air Lift Wing was deactivated in 1997 and the 126th Air Refueling Wing (ARW) was designated as the host unit. The 126th ARW maintained operations at the O'Hare ARS and continued to serve as the base supervisory unit until closure of the base in July 1999. Since then the responsibility for environmental cleanup and subsequent property disposal at the installation was conveyed to AFRPA, formerly known as the Air Force Base Conversion Agency (AFBCA). The former O'Hare ARS property has since been transferred to the City of Chicago. The majority of the property was transferred in July 2003 and the Landfill 1 parcel was transferred in September 2005.

O'Hare ARS operational history is summarized in Table 2-1.

**Table 2-1. History of Installation Operations**

<b>Period</b>	<b>Type of Operations</b>	<b>Defense Systems and/or Activities Supported</b>	<b>Hazardous Substance Activities</b>
Prior to 1942	Agricultural (Orchard Place farming community)	None	Unknown
1942 – 1945	Aircraft Manufacturing Facility Commercial Airport (Orchard Place Airport)	C-54 "Skymaster" cargo planes	Aircraft production and maintenance Boiler house, paint shop, and hangers, and a parking area for over 6,000 cars
1946 – 1947	803 <sup>rd</sup> Army Air Force Reserve Specialized Depot 141 <sup>st</sup> Air Force Installation Unit for Reserve Training Commercial Airport (Douglas-Orchard Airport)	Airbase for the Air National Guard aircraft operations and maintenance as well as administrative buildings, guard houses, a medical facility, maintenance facilities, utilities, housing/food services facilities, and multiple above- and underground storage tanks and oil/water separators	Jet and motor fuels; oil, lubricants and other petroleum products; paints; thinners; adhesives; cleaners; lead-acid batteries; hydraulic fluids; halogenated and nonhalogenated solvents; pesticides; herbicides; small arms munitions; starter cartridges for ANG aircrafts; medical/biohazardous wastes; asbestos; deicing agents; lead-based paints; polychlorinated biphenyls (PCBs); radioactive materials; and mixed wastes
1948 – 1949	2471 <sup>st</sup> AFRCTC 437 <sup>th</sup> and 441 <sup>st</sup> Troop Carrier Wings Reserve Unit O'Hare Field, Chicago International Airport		
1950 – 1997	2471 <sup>st</sup> AFRCTC was replaced by the 928 <sup>th</sup> Air Lift Wing as the supervisory unit		
1998 – 1999	126 <sup>th</sup> ARW was designated as the supervisory unit		
1999 – Present	None. The installation was closed by the BRAC commission.		None

Source: Draft Phase I Environmental Baseline Survey Revision 2, O'Hare Air Reserve Forces Facility, Chicago, IL, January 1997



## Site Chronology

### 3.0 SITE CHRONOLOGY

The U.S. Air Force (USAF) began investigating environmental contamination at O'Hare ARS as a result of past operations and waste disposal activities in 1983. From 1983 to 2004, the USAF conducted numerous investigations at the site under the Installation Restoration Program (IRP), as summarized below.

- A Records Search (IRP Phase I) performed in 1983 identified 12 areas believed to have significant potential for environmental contamination that warranted further investigation. These areas included: Landfill No. 1, Landfill No. 2, JP-4 Tank/West Petroleum Oil and Lubricants (POL) Area (IRP-ST-002), Defueling Pit Leak Site, Fire Protection Training Area (IRP-FT-003), Storm Drainage Area in the Hanger Area (IRP-OT-010), Hazardous Waste Storage Site (IRP-SS-007), South Edge of Concrete Apron (IRP-OT-008), Vehicle Maintenance Facility (IRP-OT-009), Low-Level Radioactive Disposal Site, and Fuel Contaminated Soil Site (IRP-SS-005).
- Site inspections (IRP Phase II, Stage I) performed in 1984 and 1985 confirmed and quantified the Phase I findings for nine areas previously identified in the records search, including: Landfill No. 1, JP-4/West POL Area (IRP-ST-002), Fire Protection Training Area (IRP-FT-003), Landfill No. 2, Fuel Contaminated Soil Site (IRP-SS-005), Defueling Pit Leak Site, Hazardous Waste Storage Area (IRP-SS-007), South Edge of Concrete Apron (IRP-OT-008), and Vehicle Maintenance Facility (IRP-OT-009).
- An environmental site assessment (ESA) was performed at Landfill 1 and the Fire Protection Training Area (IRP-FT-003) in 1986 as part of a land transfer between USAF and the City of Chicago.
- A site inspection (IRP Phase II, Stage II) conducted in 1987 and 1988 confirmed and quantified previous findings for Landfill 1 and the JP-4/West POL Area (IRP-ST-002).
- A preliminary site assessment/site inspection conducted in 1991 and 1992 included review of previous assessments and investigation of data gaps at six areas: Landfill No. 1, Landfill No. 2, JP-4 Tank/West POL Area (IRP-ST-002), Fire Protection Training Area (IRP-FT-003), South POL Area (IRP-ST-012), and Low-level Radiation Disposal Site. A geophysical survey conducted in the area reported as the Low Level Radioactive Disposal Site did not locate a site and a No Further Action Determination was made.

- A site inspection at the South POL Area (IRP-ST-012) and Fuel Line Break Area (IRP-ST-014) during 1992 and 1993 consisted of soil and groundwater sampling and analysis to supplement previous investigations.
- An expanded site inspection (ESI) at Landfill 1 in 1995 and 1996 consisted of a geophysical survey and soil and groundwater sampling to confirm the extent of contamination.
- Investigations at the Defueling Pit Leak site in 1996 were conducted to support site classification under the Illinois Environmental Protection Agency's (IEPA's) Leaking Underground Storage Tank (UST) Program.
- Remedial investigations (RIs) were conducted for the South POL Area (IRP-ST-012), Storm Drainage Area (IRP-OT-010), JP-4 Tank/West POL Area (IRP-ST-002), Fire Protection Training Area (IRP-FT-013), Fuel Contaminated Soil Site (IRP-SS-005), Hazardous Waste Storage Area (IRP-SS-007), South Edge of Concrete Apron (IRP-OT-008), Vehicle Maintenance Facility (IRP-OT-009), UST No. 405 Removal (IRP-ST-013), and Fuel Line Break Area (IRP-ST-014) in 1998. A supplemental RI was completed at the South POL Area (IRP-ST-012) in 2000 and 2001 and the results were used to revise the human health and ecological risk assessment for the site. A supplemental RI was completed in April 2001 to further characterize the nature and extent of potential contamination at the West POL Area (IRP-ST-002).
- A Landfill Delineation Study was completed in 2003 to address regulatory concerns about the potential boundaries of Landfill 1.
- A Human Health Risk Assessment (HHRA) Technical Memorandum was published in 2004 to assess current and future human health risk at Landfill 1.

Separately, USAF conducted investigations at the Former O'Hare ARS as part of the Environmental Baseline Survey (EBS) process under BRAC 95. Conditions of real property resulting from the storage, release, and disposal of hazardous substances and petroleum products and their derivatives over the installation's history were examined to support transfer of the Former O'Hare ARS property. The Phase I EBS was conducted in 1996. Other investigations conducted under the EBS process were as follows:

- A Phase II EBS Site Investigation was conducted in 1997 to determine the presence and nature of contamination at 24 sites in Parcel 2/3A that were determined to require further investigation during the Phase I EBS.

- A Phase II EBS Site Investigation was conducted in 1998 to determine the presence and nature of contamination at 41 sites in Parcel 3 that were determined to require further investigation during the Phase I EBS. Supplemental investigations were completed in 2001 to further characterize the extent of potential lead contamination at the Former Trap Range and the Former Indoor Firing Range.
- An RI was conducted in 1998 at 11 sites in Parcel 2/3A, including eight sites that were determined to require further investigation during the Phase II EBS. To further investigate the extent of contamination at the Former Coal Storage Area (OTH-1), a supplemental RI was completed in 2000 and 2001. The results from the supplemental RI were used to revise the human health and ecological risk assessment.
- An RI was conducted in 1998 at 18 sites in Parcel 3 that were determined to require further investigation during the Phase II EBS. To further investigate the extent of contamination at the Former Incinerator (OTH-13), a supplemental RI was completed in 2000 and 2001. The results from the supplemental RI were used to revise the human health and ecological risk assessment.
- A site characterization was conducted at the Sanitary Sewer Site (OTH-SS) in 2001 to identify a potential source of soil contamination at the Trichloroethene (TCE) Site (IRP-SS-019) and determine if additional contamination was present along the sanitary sewer.

Eight soil removal actions were conducted at the Former O'Hare ARS to remove soil that contained contaminants at concentrations that resulted in unacceptable human health risk levels for either the present or future land uses. The first removal action was conducted at the JP-4 Tank/West POL Area (IRP-ST-002) during demolition of the West POL Area in 1991 and 1992. During construction of a new refueling truck staging area at the West POL Area, 4,800 cubic yards of contaminated soil were excavated and disposed at an off-site landfill. Removal actions also were conducted in 1993 and in 1998-2001. Descriptions of the eight soil removal actions are provided in Section 4.4.

The Basewide ROD was signed between September and November 2002 and the Landfill 1 ROD was signed in September 2005. As documented in the Basewide and Landfill 1 RODs, LUCs/ICs were selected as final remedies for managing residual contamination at all sites base wide, including residual soil contamination at Landfill 1 and all areas of concern (AOCs) and IRP sites and the only known groundwater contamination, which is associated with the South POL Area (IRP-ST-012).





**Background**

## **4.0 BACKGROUND**

### **4.1 Physical Characteristics**

The Former O'Hare ARS occupies approximately 274 acres in the northeast corner of O'Hare International Airport (IAP), City of Chicago, Cook County, Illinois (Figure 1). Topography at the Former O'Hare ARS is relatively flat with total topographic relief of approximately 15 feet. The ground surface slopes gently to the northeast. The watershed at the Former O'Hare ARS is separated into 13 subdrainage basins, several of which receive runoff from O'Hare IAP runways and adjacent areas. All of the surface drainage from the Former O'Hare ARS is intercepted by a storm drainage system and discharges to three open drainage ditches on the property, which in turn discharge to Willow Creek. Drainage from Willow Creek discharges to the Des Plaines River located approximately two miles east of the Former O'Hare ARS property.

Layered sedimentary rock units and Precambrian age crystalline rock in increasing order of age underlie the Former O'Hare ARS. Dense crystalline rocks of Precambrian age form the base upon which younger geologic units were deposited. The Precambrian rocks are found at depths of approximately 4,000 feet at the Former O'Hare ARS. A layered sequence of gently eastward dipping sedimentary rocks of Cambrian, Ordovician, and Silurian age overlie the Precambrian basement. These units are composed mainly of sandstone and dolomites and may be greater than 3,000 feet in thickness at the Former O'Hare ARS. Silurian age dolomite is the uppermost bedrock unit at the ARS and throughout the region. This unit is mostly dense dolomite with many solution channels and joints, particularly in the uppermost portion. Its thickness is approximately 135 feet in the vicinity of the Former O'Hare ARS.

Continuous unconsolidated glacial deposits of Quaternary age overlie the bedrock to a thickness of 70 to 85 feet. These deposits consist of a relatively uniform clayey till with sand and gravel, classified CL (silty clay) using the Unified Soil Classification System, and contain sporadic discontinuous seams of silt and sand. These seams, where present, are generally less than 1 foot in thickness but have been encountered in individual borings up to about 10 feet in thickness. The surficial materials at the Former O'Hare ARS are mostly artificial fill and/or soil disturbed by development.

There are three major aquifer systems in the vicinity of the Former O'Hare ARS: (1) glacial drift, (2) shallow dolomite of Silurian age, and (3) Cambrian-Ordovician sandstones. The 70- to 85-foot thick glacial drift is the uppermost water bearing formation at the Former O'Hare ARS. Groundwater within this unit at the Former O'Hare ARS can be found at depths as shallow as 10 to 20 feet below ground surface

(bgs). While the shallow clay till can be saturated at these depths, scattered silt and sand lenses within this clay layer constitute the uppermost permeable saturated deposits. Groundwater flow patterns in the glacial drift within the boundaries of the Former O'Hare ARS are variable and locally complex, controlled by the presence of discontinuous sand lenses, disturbed soil conditions resulting from construction activities, and infiltration of precipitation.

Regional groundwater flow in the drift is to the east toward the Des Plaines River. The glacial drift aquifer is recharged locally by precipitation and is hydraulically connected in the Chicago area to the underlying Silurian dolomite aquifer. The Silurian dolomite aquifer is approximately 135 feet thick in the vicinity of the Former O'Hare ARS. Groundwater elevations and flow directions in the shallow dolomite aquifer are not known in the vicinity of the Former O'Hare ARS, but regional flow directions are toward Lake Michigan, rivers, and other major water bodies. The glacial drift and shallow dolomite aquifers are separated from the underlying aquifers by 230 feet of impermeable Maquoketa shale. The underlying Ordovician-Cambrian age aquifer system is comprised of several water-bearing dolomites and sandstones and is the aquifer that is most frequently used as a water supply.

## **4.2 Land and Resource Use**

### **4.2.1 Land Use**

Current land use on and adjacent to the Former O'Hare ARS property is industrial/commercial in nature and is anticipated to remain so for the foreseeable future, due to its proximity to O'Hare IAP. The former ARS property is currently largely inactive and is in the initial stages of industrial/commercial development by the City of Chicago, the current property owner. Landfill 1 is currently part of the active O'Hare IAP airfield. Agricultural and residential usage was prohibited in the property transfer deeds to the City of Chicago.

The Former O'Hare ARS is bounded on the north by Higgins Road and Fort Dearborn Army Reserve Center property, on the east by Mannheim and Old Mannheim Roads, and on the south and west by O'Hare IAP. Land east and north of Mannheim and Higgins Roads, respectively, is in the Village of Rosemont and City of Des Plaines of suburban Cook County. Land use in adjoining areas to the west and south is industrial/commercial and related to O'Hare IAP.

### **4.2.2 Groundwater Use**

Groundwater use within the Former O'Hare ARS and surrounding communities, City of Chicago, Village of Rosemont, and City of Des Plaines is currently prohibited. Based

on these restrictions, there is no anticipated short-term or long-term uses for groundwater at the Former O'Hare ARS and surrounding properties. Prohibition of future groundwater use at the Former O'Hare ARS was included in the property deed when the property was transferred to the City of Chicago. A restrictive covenant to prohibit future use of groundwater on the former Fort Dearborn property was placed on Fort Dearborn by the City of Chicago, on behalf of the USAF.

#### **4.2.3    Surface Water Use**

There are no areas of surface water on the Former O'Hare ARS property.

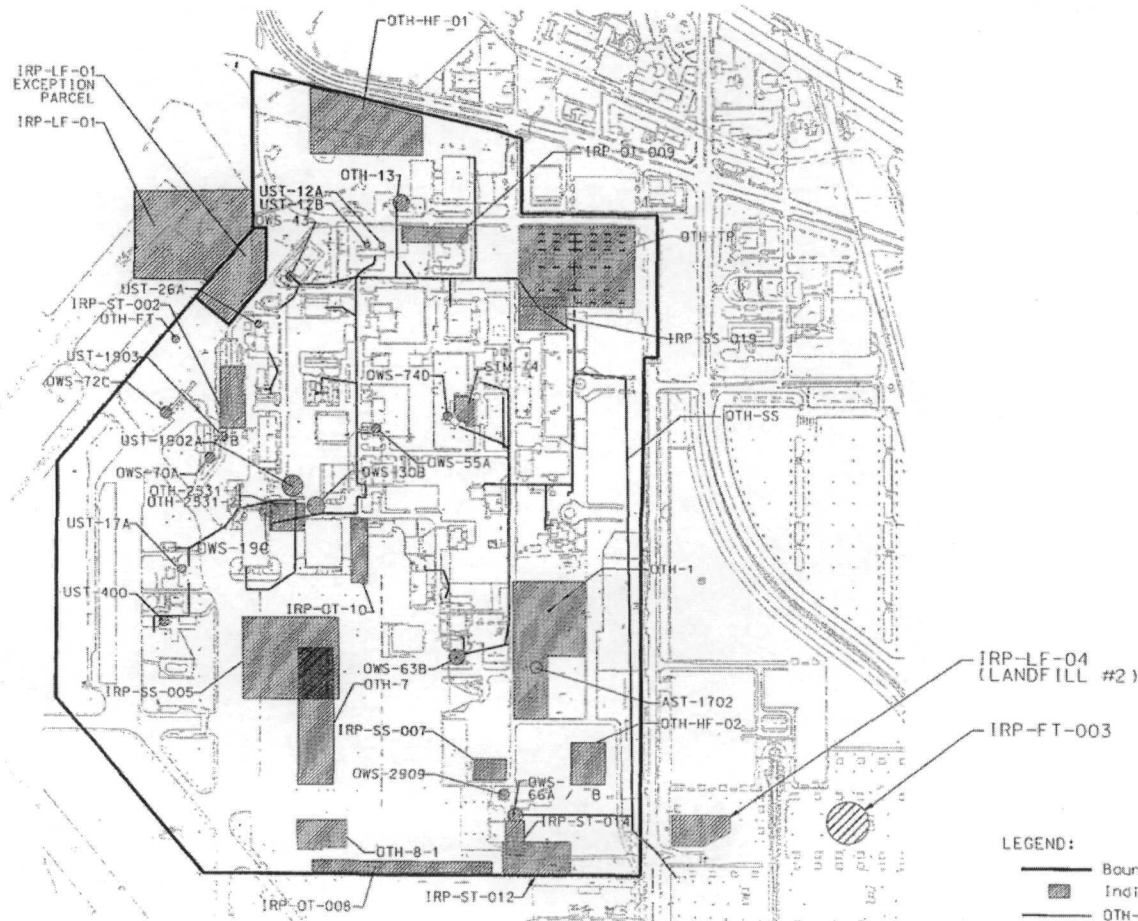
#### **4.3    History of Contamination**

To facilitate site management, restoration, and eventual property conveyance, the Former O'Hare ARS was divided into multiple parcels, designated Parcel 1, Parcel 2/3A, and Parcel 3. These parcels contain 30 AOCs and 9 IRP sites. Three additional sites, the Fire Protection Training Area (IRP-FT-003), UST No. 405 Removal (IRP-ST-013), and Landfill 1, are located on adjacent property. The sites and their respective parcels are listed in Table 4-1 and shown on Figure 1.

**Table 4-1. List of Sites at the Former O'Hare ARS**

Parcel	Site
1	None
2/3A	Elevated Water Storage Tank (AST-1702) Former Coal Storage Area (OTH-1) Former Paint Shop (OTH-8-1) Hardfill No. 2 (OTH-HF-02) Former Trailer Park (OTH-TP) Underground Storage Tank Nos. 1902A/B (UST-1902A/B) Oil/Water Separator No. 2909 (OWS-2909) Oil/Water Separator No. 63B (OWS-63B) Oil/Water Separator No. 30B (OWS-30B) Oil/Water Separator No. 19C (OWS-19C) Oil/Water Separator Nos. 66A/B (OWS-66A/B) South Edge of Concrete Apron (IRP-OT-008) Storm Drainage Area (IRP-OT-010) South POL Area (IRP-ST-012) Fuel Line Break Area (IRP-ST-014) TCE Site (IRP-SS-019)
3	Building 74 Hydraulic Lift Systems (STM-74) Underground Storage Tank No. 12A (UST-12A) Underground Storage Tank No. 12B (UST-12B) Underground Storage Tank No. 26A (UST-26A) Underground Storage Tank No. 1903A (UST-1903A) Underground Storage Tank No. 400 (UST-400) Underground Storage Tank No. 17A (UST-17A) Oil/Water Separator No. 74D (OWS-74D) Oil/Water Separator No. 55A (OWS-55A) Oil/Water Separator No. 43 (OWS-43) Oil/Water Separator No. 70A (OWS-70A) Oil/Water Separator No. 72C (OWS-72C) Former Incinerator (OTH-13) Suspected Former Fire Training Area (OTH-FT) Former Aircraft Hangar (OTH-7) Aircraft Washrack Pad (OTH-2531-1) Former Drum Accumulation Area (OTH-2531-2) Hardfill No. 1 (OTH-HF-01) Sanitary Sewer Site (OTH-SS) Fuel Contaminated Soil Site (IRP-SS-005) Hazardous Waste Storage Site (IRP-SS-007) JP-4 Tank/West POL Area (IRP-ST-002) Vehicle Maintenance Facility (IRP-OT-009)
Adjacent Property	Fire Protection Training Area (IRP-FT-003) UST No. 405 Removal (IRP-ST-013) Landfill 1

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PARCEL 2/3A	
AST-1702	Elevated Water Storage Tank (IRP-ST-015)
OTH-1	Former Coal Storage Area (IRP-SA-017)
OTH-HF-02	Hardfill No. 2
OTH-TP	Former Trailer Park (IRP-OT-018)
OWS-2909	Oil/Water Separator No. 2909
OWS-63B	Oil/Water Separator No. 63B
OWS-300	Oil/Water Separator No. 300
UST-1902A/B	Underground Storage Tanks 1902A and 1902B
OWS-19C	Oil/Water Separator No. 19C
OWS-66A/B	Oil/Water Separator Nos. 66A and 66B
OTH-8-1	Former Paint Shop
PARCEL 3	
STM-74	Building 74 Hydraulic Lift Systems
UST-12A	Former 1,000 Gallon, #2 Fuel Oil UST
UST-12B	Former 550 Gallon, #2 Fuel Oil UST
UST-26A	Former 3,000 Gallon, #2 Fuel Oil UST
UST-1903	Former 3,000 Gallon, #2 Fuel Oil UST
UST-400	Former 5,000 Gallon, #2 Fuel Oil UST
UST-17A	Former 1,000 Gallon, #2 Fuel Oil UST
OWS-74D	Oil/Water Separator No. 74D
OWS-55A	Oil/Water Separator No. 55A
OWS-43	Oil/Water Separator No. 43
OWS-70A	Oil/Water Separator No. 70A
OWS-72C	Oil/Water Separator No. 72C
OTH-13	Former Incinerator (IRP-HA-018)
OTH-LF	Suspected Former Fire Training Area
OTH-7	Former Aircraft Hangar
OTH-2331-1	Aircraft Weigh-in Pad
OTH-2331-2	Former Hazardous Waste Drum Accumulation Point
OTH-HF-01	Hardfill No. 1
OTH-SS	Sanitary Sewer
INSTALLATION RESTORATION PROGRAM SITES	
IRP-ST-002	JP-4 Tank/West POL Area
IRP-FT-003	Fire Protection Training Area
IRP-SS-005	Fuel Contaminated Soil
IRP-SS-007	Hazardous Waste Storage Area
IRP-OT-008	South Edge of Concrete Apron
IRP-OT-009	Vehicle Maintenance Area
IRP-OT-010	Storm Drainage Area
IRP-ST-012	South POL Area
IRP-ST-013	UST No. 485 Removal
IRP-ST-014	Fuel Line Break Area
IRP-SS-019	TCE Site

SCALE AS SHOWN	<b>MWH</b> MONTGOMERY WATSON HARZA	RECORD OF DECISION FORMER O'HARE AIR RESERVE STATION CHICAGO, ILLINOIS	SITE LOCATION MAP	FIGURE 1
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The nature and extent of contamination at the Former O'Hare ARS was delineated throughout the course of investigations listed in Section 3.0. Analytes detected at concentrations exceeding screening criteria were identified as chemicals of potential concern (COPCs). The sites that were investigated at the Former O'Hare ARS and COPCs identified at these sites are described below.

#### **Parcel 2/3A**

- **Elevated Water Storage Tank (AST-1702).** This 50,000-gallon elevated aboveground storage tank (AST) was originally constructed in 1943. The tank is located in the southeast part of the Former O'Hare ARS in Parcel 2/3A. Lead was identified as a COPC in soil at this site. Past maintenance practices, including scraping, sandblasting, and repainting the tank with lead-based paints, are the likely source of lead contamination. Lead contamination present in soil at unacceptable risk levels was excavated during removal actions in 1998 and 2001.
- **Former Coal Storage Area (OTH-1).** From 1943 to 1978, this area served as a storage area for a former coal-fired powerhouse. An estimated 4,000 tons of coal were continuously stored in this area. Polynuclear aromatic hydrocarbons (PAHs), arsenic, and beryllium were identified as COPCs in soil at this site. PAH contamination in site soil may have resulted from previous dust minimization activities or leached from the coal into the site soil. PAH contamination present in soil at unacceptable risk levels was excavated during a removal action in 2001.
- **Hardfill No. 2 (OTH-HF-02).** This area previously served as a disposal facility for inert refuse such as concrete, wood, glass, and plumbing piping from the demolition of the former Douglas Aircraft Assembly Plant. The exact dates of operation are unknown, but it is likely to have operated during the early period of base operations. PAHs, arsenic, and beryllium were identified as COPCs in soil at this site.
- **Former Trailer Park (OTH-TP).** A trailer park occupied this area from 1952 until the late 1980s. PAHs were identified as COPCs in soil at this site. Investigations completed to date at this site were inconclusive in determining the specific source of PAH contamination in site soil. PAH contamination present in soil above cleanup objectives (CUOs) was excavated during a removal action in 1999.
- **Oil/Water Separator No. 2909 (OWS-2909).** A 450-gallon capacity oil/water separator (OWS) was constructed in 1977 as part of a vehicle refueling station. The date of the removal is unknown, but it was likely following closure of the South POL Area in 1993. PAHs and beryllium were identified as COPCs in soil

at this site. PAH contamination in soil in this area likely resulted from operation of the OWS. However, the source of beryllium is unknown.

- **Oil/Water Separator No. 63B (OWS-63B).** A 150-gallon capacity OWS was installed inside Building 63 in 1980, beneath the building floor, and remains in use. PAHs were identified as COPCs in soil at this site. PAH contamination in soil is likely due to operation of the OWS.
- **Oil/Water Separator No. 30B (OWS-30B).** A 300-gallon holding tank for OWS-30A was installed north of Building 30 in 1962 and remains in use. PAHs were identified as COPCs in soil at this site. PAH contamination in surrounding soil is likely due to operation of the OWS.
- **Underground Storage Tanks 1902A and 1902B (UST-1902A/B).** Two former 15,370-gallon USTs used to store No. 5 fuel oil were located north of Building 31. The tanks were installed in 1960 and removed in 1989. PAHs were identified as COPCs in soil at this site. PAH-contaminated soil in this area likely resulted from either fuel oil spills during normal fueling practices or a leak(s) in the tank.
- **Oil/Water Separator No. 19C (OWS-19C).** An approximately 650-gallon capacity OWS located northeast of Building 19 was installed in 1978 and reportedly removed between 1989 and 1993. Arsenic and beryllium were identified as COPCs in soil at this site but do not appear related to past site practices.
- **Oil/Water Separator No. 66A/B (OWS-66A/B).** An abandoned 15-gallon capacity OWS (OWS-66B) was located immediately beneath the floor inside Building 66, and a 150-gallon capacity holding tank (OWS-66A) was located near the northwest corner of the building. The system was installed in 1976 and was abandoned in-place in 1993. Arsenic and beryllium were identified as COPCs in soil at this site but do not appear related to past site practices.
- **Former Paint Shop (OTH-8-1).** A paint shop was constructed in 1943 as part of the former Douglas Aircraft Assembly Plant and demolished by 1966. Arsenic and beryllium were identified as COPCs in soil at this site but do not appear related to past site practices.



### Parcel 3

- **Building 74 Hydraulic Lift Systems (STM-74).** Four automobile hydraulic lift systems exist inside Building 74. Two hydraulic rams are associated with each lift system and are located on opposite ends of each lift. Each hydraulic ram is inside a concrete-lined pit, which extends approximately 5 to 6 feet below ground surface. A 30-gallon hydraulic reservoir tank and associated piping are located inside each concrete-lined pit. PAHs were identified as COPCs in soil at this site. PAH contamination in soil in this area is likely due to spilled or leaked hydraulic fluid.
- **Underground Storage Tank No. 12A (UST-12A).** A 1,000-gallon No. 2 fuel oil storage tank was installed in 1969 near the northeast corner of Building 12 and removed in 1983. PAHs were identified as COPCs in soil at this site. PAH contamination in soil at this site likely resulted from either fuel oil spills during normal fueling practices or a leak(s) in the tank.
- **Underground Storage Tank No. 12B (UST-12B).** A former 550-gallon used oil storage tank was installed in 1968 near the northwest corner of Building 12 and removed in 1990. PAHs, arsenic, beryllium, and PCBs were identified as COPCs in soil at this site. PAH contamination in soil at this site likely resulted from either fuel oil spills during normal fueling practices or a leak(s) in the tank. However, the source(s) of arsenic, beryllium, and PCBs in soil at this site is unknown.
- **Underground Storage Tank No. 26A (UST-26A).** A former 4,000-gallon No. 2 fuel oil storage tank was installed in 1976 on the north side of Building 26 and removed in 1989. PAHs were identified as COPCs in soil at this site. PAH contamination in soil at this site likely resulted from either fuel oil spills during normal fueling practices or a leak(s) in the tank.
- **Underground Storage Tank No. 1903 (UST-1903).** A former 3,000-gallon No. 2 fuel oil storage tank was installed east of Building 70 in 1976 and removed in 1989. PAHs were identified as COPCs in soil at this site. PAH contamination in soil at this site likely resulted from either fuel oil spills during normal fueling practices or a leak(s) in the tank.
- **Underground Storage Tank No. 400 (UST-400).** A former 5,000-gallon No. 2 fuel oil storage tank was installed north of former Building 400 in 1974 and removed in 1989. PAHs were identified as COPCs in soil at this site. PAH contamination

in soil at this site likely resulted from either fuel oil spills during normal fueling practices or a leak(s) in the tank.

- **Underground Storage Tank No. 17A (UST-17A).** A former 1,000-gallon No. 2 fuel oil storage tank was installed east of Building 17 and removed in 1989. PAHs were identified as COPCs in soil at this site. PAH contamination in soil at this site likely resulted from either fuel oil spills during normal fueling practices or a leak(s) in the tank.
- **Oil/Water Separator No. 74D (OWS-74D).** A 500-gallon capacity OWS was installed west of Building 74 in 1990 and remains in use. PAHs were identified as COPCs in soil at this site. PAH contamination in this area likely resulted from operation of the OWS.
- **Oil/Water Separator No. 55A (OWS-55A).** A 250-gallon capacity OWS was installed inside Building 55 in 1983 and remains in use. Arsenic and beryllium were identified as COPCs in soil at this site. The source(s) of arsenic and beryllium in soil at this site does not appear related to past site practices.
- **Oil/Water Separator No. 43 (OWS-43).** An 800-gallon capacity OWS was installed at Building 43 in 1993 and remains in use. PAHs were identified as COPCs in soil at this site. PAH contamination in soil at this site likely resulted from operation of the OWS.
- **Oil/Water Separator No. 70A (OWS-70A).** A 500-gallon capacity OWS was installed south of Building 70 in 1979 and reportedly removed in 1993. PAHs, arsenic, and beryllium were identified as COPCs in soil at this site. PAH contamination in soil at this site likely resulted from operation of the OWS. However, the source(s) of arsenic and beryllium in the soil does not appear related to past site practices.
- **Oil/Water Separator No. 72C (OWS-72C).** A 150-gallon capacity OWS was installed southwest of Building 72 in 1986 and remains in use. PAHs, arsenic, and beryllium were identified as COPCs in soil at this site. PAH contamination in soil at this site likely resulted from operation of the OWS. However, the source(s) of the arsenic and beryllium in the soil does not appear related to past site practices.
- **Former Incinerator (OTH-13).** This facility was constructed in 1943 as part of the Douglas Aircraft Assembly Plant and was demolished in 1997. PAHs, arsenic, and beryllium were identified as COPCs in soil at this site. PAH, arsenic, and

beryllium contamination in soil in this area likely resulted from operation of the incinerator. PAH contamination above CUOs was removed during a removal action conducted in 2001.

- **Suspected Former Fire Training Area (OTH-FT).** A suspected former fire training area was identified from a 1958 aerial photograph in which an object resembling a small airplane was visible south of Landfill 1. Reportedly, fire training exercises were conducted at this location until approximately 1970. PAHs, arsenic, and beryllium were identified as COPCs in soil at this site. PAH, arsenic, and beryllium contamination in soils in this area likely resulted from fire training exercises.
- **Former Aircraft Hangar (OTH-7).** An aircraft hangar was constructed in 1943 as part of the Douglas Aircraft Assembly Plant. It is located south of Buildings 19 and 30 in the central portion of the military aircraft parking apron. The area was used for aircraft parking and is currently paved with concrete. PAHs, arsenic, and beryllium were identified as COPCs in soil at this site. PAH, arsenic, and beryllium contamination in soil in this area are likely related to aircraft maintenance practices that occurred in the hangar.
- **Aircraft Washrack Pad (OTH-2531-1).** An approximately 2,500-square yard washrack between Buildings 19 and 30 was used for aircraft cleaning and degreasing operations until cessation of military operations. PAHs were identified as COPCs in soil at this site. PAH contamination in soil at this site likely resulted from aircraft cleaning and degreasing operations.
- **Former Drum Accumulation Area (OTH-2531-2).** A former hazardous waste accumulation area was located within the area of the aircraft washrack pad (OTH-2531-1). Prior to development of hazardous waste satellite accumulation points at the Former O'Hare ARS, drums of hazardous waste from hangar operations were accumulated on a concrete paved area near former Building 20. PAHs, arsenic, and beryllium were identified as COPCs in soil at this site. PAH, arsenic and beryllium contamination in soil at this site likely resulted from waste management practices.
- **Hardfill No. 1 (OTH-HF-01).** A disposal site on the northwest side of the base was reportedly used for construction debris and rubble. The exact dates of operation are unknown, but it is likely to have operated during the early period of base operations. PAHs, arsenic, and beryllium were identified as COPCs in soil at this site. The contamination at this location cannot be directly related to

past land use practices. Therefore, the source(s) of contamination of this area is unknown.

- **Sanitary Sewer Site (OTH-SS).** The sanitary sewer site (OTH-SS) consists of approximately 7,400 linear feet of sewer line that begins in Parcel 3 immediately east of Building No. 18 and extends northeastward to Willhoit Road. The sewer then extends northward beneath Willhoit Road to Chrome Road, then eastward to Patton Road, where it extends into Parcel 2 toward Zemke Circle and then off base. Results of investigations completed at IRP site SS-019 suggested the possible presence of TCE contamination in upstream areas along the sanitary sewer main and laterals. PAHs and vinyl chloride were identified as COPCs in soil at this site. The specific source(s) of the PAH and vinyl chloride contamination in soil is unknown.
- **JP-4 Tank/West POL Area (IRP-ST-002).** This area is in the west central part of the Former O'Hare ARS, west of Buildings 23 and 27. The West POL Area began operations in 1951 and consisted of one diked, 210,000-gallon aboveground JP-4 bulk storage tank; two 50,000-gallon JP-4 USTs; a pump house; and a jet fuel hydrant system. In January 1972, 82,000 gallons of JP-4 were spilled in the diked area following heavy rains. Water accumulated in the diked area and froze. The freezing water cracked the external piping to the tank. Forty thousand gallons of the fuel were subsequently recovered, but the remaining 42,000 gallons either evaporated or infiltrated into the ground. It is estimated the spill impacted an area of approximately 1.5 acres. PAHs were identified as COPCs in soil at this site. It is likely that PAH contamination in soil is a result of the JP-4 spill that occurred in 1972. PAH contamination above CUOs was removed during a removal action conducted in 1999.
- **Fire Protection Training Area (IRP-FT-003).** The former Fire Protection Training Area is located outside the Former O'Hare ARS BRAC property near the southeast boundary and operated from approximately 1955 to the early 1960s. It consisted of a clay pit with an earthen berm and natural soil bottom and measured approximately 100 feet in diameter. Combustible materials such as fuels (aviation gas and automobile gas), waste oil, kerosene, PD-680 solvent (aliphatic petroleum distillates), and hydraulic fluid were burned in the pit during fire protection training exercises. When operation of the pit ceased, the site was covered with a hardfill consisting of construction debris and wood. In 1990, prior to BRAC, the property was transferred to the City of Chicago as part of a land exchange agreement. Arsenic and beryllium were identified as COPCs in soil at this site. Fire training exercises may be the source of arsenic and beryllium in soils in this area.

- **Fuel Contaminated Soil Site (IRP-SS-005).** This site is located in the central part of the main apron aircraft-parking zone on the flightline. PAHs were identified as COPCs in soil at this site. Although the area is contaminated with PAHs, no known source can be attributed to the fuel contaminated soil.
- **Hazardous Waste Storage Site (IRP-SS-007).** This site is located in a former depressed area at the south end of the foundation for the former Douglas Aircraft Assembly Plant and was the former truck loading area for the assembly plant. The exact dates of operation are not known, but are estimated between 1970 and the early 1980s. During this time, approximately 50 to 60 drums of unspecified chemical waste from the Former O'Hare ARS were stored in this area. This former hazardous waste storage area was outside, open to the weather, and access was not controlled. In 1983, the adjacent soil was observed to be discolored, indicating that spills had occurred. PAHs, arsenic, and beryllium were identified as COPCs in soil at this site.
- **South Edge of Concrete Apron (IRP-OT-008).** The south edge of the concrete apron was reportedly used occasionally as a dumping area for small quantities of liquid wastes (possibly paint stripper and Stoddard solvent) from the Former O'Hare ARS shops during the 1950s and 1960s. The liquids flowed into a stormwater drainage ditch that ran parallel to, and approximately 10 feet from, the edge of the concrete apron and then reportedly flowed to the east. Arsenic and beryllium were identified as COPCs in soil at this site.
- **Vehicle Maintenance Facility (IRP-OT-009).** This site is located on the south side of Johnson Road just north of the former Vehicle Maintenance Facility (Building 5), and was demolished in 1993. PAHs, arsenic, and beryllium were identified as COPCs in soil at this site. Reportedly, motor oil was dumped on the ground in this area in the mid-1970s and is believed to be the source of PAH contamination in soil. The source(s) of arsenic and beryllium in the soil is unknown.
- **Storm Drainage Area (IRP-OT-010).** Previous investigations indicate that drummed liquid wastes from the aircraft maintenance hangars (Buildings 19 and 30) were accumulated on a concrete pad near Building 20. The pad area was located over a drain grill that discharged into the storm drainage system and, ultimately, into an open drainage ditch outside the installation. The concrete pad was stained, indicating that spills/leaks had occurred and may have occasionally entered the storm drainage system. Arsenic, beryllium, and chromium were identified as COPCs in soil at this site.

- **South POL Area (IRP-ST-012).** The South POL Area was in operation from 1943 until 1993 when it was demolished, following the construction of the North POL Area. The site consisted of two 11,500-gallon ASTs and nine 25,000-gallon ASTs, which were believed to have initially contained aviation gasoline (AVGAS), and more recently, JP-4 fuel; one 25,000-gallon AST that contained aviation lubrication oil and No. 2 fuel oil (diesel); and one 10,000-gallon railroad tank car that contained ethylene glycol. PAHs were identified as COPCs in soil at this site. Historic spills have been documented at this site prior to closure of the facility in 1993 and are believed to be the source of the PAH-contaminated soil.

From July to November 1993, during demolition of the South POL Area, approximately 9,400 cubic yards of petroleum-contaminated soil were excavated from the area surrounding the former ASTs. Approximately 6,000 cubic yards of the excavated soil were treated using low-temperature thermal desorption and then returned to the site. Approximately 3,000 cubic yards of the soil were disposed at an off-site landfill. The excavation extended approximately 10 feet below ground surface in the vicinity of the ASTs and 6 feet below ground surface south of the tank locations.

Benzene was detected in one monitoring well at the South POL Area at concentrations exceeding either Illinois Class I and/or Class II groundwater standards. The lateral extent of contamination exceeding Class I and/or Class II groundwater standards is limited to a small area in the central portion of the site around the monitoring well. The monitoring well is screened in the upper portion of the glacial till at depths between approximately 14 and 24 feet.

- **UST No. 405 Removal (IRP-ST-013).** This site was the former location of an abandoned 500-gallon UST at Building 405. The UST was installed in 1951 and stored either diesel fuel for an emergency generator or No. 2 fuel oil for backup heating of the building. The UST and its piping were removed in October 1990 and the UST excavation was inspected for evidence of past releases. Visual inspection of the tank and piping indicated they were intact with minimal corrosion. No evidence of petroleum soil contamination was observed during a visual and olfactory inspection of the excavation and the soil that was excavated for purposes of the tank removal. No COPCs were identified in soil at this site.
- **Fuel Line Break Area (IRP-ST-014).** The Fuel Line Break Area is located south of Building 66 near the former South POL Area and was removed in 1993. The fuel line connected the aboveground fuel oil storage tank in the South POL Area to the heating furnace in the Petroleum Operations Building (Building 66), which

had experienced unaccounted losses. PAHs were identified as COPCs in soil at this site. A leak in the fuel line is believed to be the source of PAH contamination in soil in this area.

During removal of the fuel line in 1993, approximately 700 cubic yards of contaminated soil were excavated and treated by low-temperature thermal desorption. The excavation was backfilled with treated soil from the desorption process and soil from off site.

- **TCE Site (IRP-SS-019).** This site was identified in 1999 in the course of site investigations by potential future site developers. The site is a grass field located adjacent to Building 4 between a 72-inch diameter concrete storm sewer and a 21-inch diameter clay sanitary sewer line. TCE, trans-1,2-dichloroethene, cis-1,2-dichloroethene, and vinyl chloride were identified as COPCs in soil at this site.

The Former O'Hare ARS sanitary sewer system (OTH-SS) was investigated as a potential conduit to identify potential contamination sources. The investigation did not identify any likely sources. A removal action was completed in 2000 and 2001 to remove soil that contained TCE and daughter product contamination present above site-specific CUOs.

- **Landfill 1.** Landfill 1 was used as a landfill from approximately 1953 until 1965 and is predominantly covered by native vegetation, although a portion has been covered by a runway taxiway at O'Hare IAP. The site consists of a series of trenches where waste was deposited and subsequently covered from approximately 1953 to 1965. Intrusive investigations into the site have identified glass, brick, scrap metal, reinforcing bar and other construction debris. The depth of waste has been identified as 5 to 10 feet below ground surface (bgs). The debris identified within the landfill exhibits the characteristics of construction debris and is essentially inert and non-hazardous. No hazardous wastes (i.e., liquid-filled drums) were discovered. A range of background concentrations were established for site inorganics. Concentrations of inorganics in soil and sediments at Landfill 1 were generally within the background range, with exceptions for copper, chromium, zinc, and lead.

The PCB Aroclor 1254, cadmium, chromium, nickel, and zinc were identified as a COPCs in soil at Landfil 1. PAHs were identified as COPCs in sediment. One groundwater monitoring well, located within the footprint of the waste material, showed slight exceedances of primary drinking water standards for benzene and benzo(a)pyrene. These were the only exceedances noted in the monitoring well network, which includes wells downgradient of this location.

For the AOCs and IRP sites, soil screening criteria were established by the Base Closure and Transition Team (BCTT) as U.S. EPA Region 9 Preliminary Remediation Goals (PRGs) for industrial soil – except arsenic, for which IEPA provided a site-specific background level of 10.2 milligrams per kilograms (mg/kg). The COPCs in soil at the AOCs and IRP sites are primarily petroleum related, and are principally PAHs, with metals, volatile organic compounds (VOCs), and PCBs present locally. The nature of contamination in soil at the AOCs and IRP sites is summarized in Table 4-2, which includes chemicals that exceeded screening criteria in one or more samples.

**Table 4-2. Chemicals of Potential Concern in Soil**

Site ID	Site Name	Chemical														
		Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Chrysene	Benzo(k)fluoranthene	Dibenzo(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Benzenes	Pyrene	Vinyl chloride	Trichloroethene	trans-1,2-Dichloroethene	cis-1,2-Dichloroethene	Arsenic
																Beryllium <sup>1</sup>
																Chromium
																Lead
																Aroclor 1254
<b>Parcel 2/3A Sites</b>																
AST-1702	Elevated Water Tank / IRP-ST-015	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTH-1	Former Coal Storage Area / IRP-SA-017	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
OTH-HF-02	Hardfill No. 2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
OTH-TP	Former Trailer Park / IRP-OT-016	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
OWS-2909	Oil/Water Separator No. 2909	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
OWS-63B	Oil/Water Separator No. 63B	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
OWS-30B	Oil/Water Separator No. 30B	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
UST-1902A/B	Underground Storage Tank No. 1902A/B	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
OWS-19C	Oil/Water Separator No. 19C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
OWS-66A/B	Oil/Water Separator No. 66A/B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
OTH-8-1	Former Paint Shop	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>



Site ID	Site Name	Chemical																		
		Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Chrysene	Benzo(k)fluoranthene	Dibenzo(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Benzene	Pyrene	Vinyl chloride	Trichloroethene	trans-1,2-Dichloroethene	cis-1,2-Dichloroethene	Arsenic	Beryllium <sup>1</sup>	Chromium	Lead	Aroclor 1254
Parcel 3 Sites																				
STM-74	Building-74 Hydraulic Lift Systems																			
UST-12A	Underground Storage Tank No. 12A																			
UST-12B	Underground Storage Tank No. 12B																			
UST-26A	Underground Storage Tank No. 26A																			
UST-1903	Underground Storage Tank No. 1903																			
UST-400	Underground Storage Tank No. 400																			
UST-17A	Underground Storage Tank No. 17A																			
OWS-74D	Oil/Water Separator No. 74D																			
OWS-55A	Oil/Water Separator No. 55A																			
OWS-43	Oil/Water Separator No. 43																			
OWS-70A	Oil/Water Separator No. 70A																			
OWS-72C	Oil/Water Separator No. 72C																			
OTH-13	Former Incinerator / IRP-IN-018																			
OTH-FT	Suspected Former Fire Training Area																			
OTH-7	Former Aircraft Hangar																			
OTH-2531-1	Aircraft Washrack Pad																			
OTH-2531-2	Former Hazardous Waste Drum																			
OTH-HF-01	Hardfill No. 1																			
OTH-SS	Sanitary Sewer																			

Site ID	Site Name	Chemical																		
		Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Chrysene	Benzo(k)fluoranthene	Dibenzo(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Benzene	Pyrene	Vinyl chloride	Trichloroethene	trans-1,2-Dichloroethene	cis-1,2-Dichloroethene	Arsenic	Beryllium <sup>1</sup>	Chromium	Lead	Aroclor 1254
Installation Restoration Program Sites																				
IRP-ST-002	JP-4 Tank/West POL Area	<	<	<	<	<		<	<		<									
IRP-FT-003	Fire Protection Training Area															<		<		
IRP-SS-005	Fuel Contaminated Soil Site				<	<														
IRP-SS-007	Hazardous Waste Storage Site		<	<	<			<								<		<		
IRP-OT-008	South Edge Concrete Apron															<	<	<		
IRP-OT-009	Vehicle Maintenance Facility		<	<	<											<	<	<		
IRP-OT-010	Storm Drainage Area															<		<		
IRP-ST-012	South POL Area	<	<	<	<	<	<	<	<											
IRP-ST-013	UST No. 405 Removal	None																		
IRP-ST-014	Fuel Line Break Area		<	<	<	<		<												
IRP-SS-019	TCE Site										<	<	<	<						

<sup>1</sup> Current studies performed by EPA have indicated that, by new standards, beryllium would no longer be a COPC for the Former O'Hare ARS sites. However, because this compound was a COPC during the investigations performed at the sites, it was left in the Basewide ROD as a COPC.

For the AOCs and IRP sites, groundwater COPCs were identified as chemicals that exceeded Illinois Class I and Class II groundwater standards (IEPA, 1997) in one or more samples. Benzene at the South POL Area (IRP-ST-012) is the only groundwater COPC for the AOCs and IRP sites.

As described in the 2004 Landfill 1 Human Health Risk Assessment Technical Memo, screening values for soil in Landfill 1 were identified as the lower of the U.S. EPA Region 9 PRGs for industrial land use, dated October 2002, and Title 35 of Illinois Administrative Code (IAC) Part 742 Tier 1 Remediation Objectives for Soil Component of the Groundwater Ingestion Exposure Route value. Constituents detected in sediment were screened against the Illinois sieved stream sediment data (non-elevated) (IEPA, 1997). If the sieved stream sediment data were not published, then U.S. EPA Region 9 Soil PRGs for industrial land use, dated October 2002, were used as sediment screening values. U.S. EPA Region 9 PRGs for tap water, dated October 2002, were used as the

screening value for groundwater. Constituents exceeding these criteria were identified as COPCs and further evaluated in the 2004 HHRA. Benzene and benzo(a)pyrene were the only groundwater COPCs that exceeded primary drinking water standards (i.e., federal Maximum Contaminant Levels [MCLs]) at Landfill 1.

The combined effect of detected concentrations of individual chemicals present below their corresponding PRG values may also be of potential concern. Therefore, the 2004 HHRA further evaluated possible cumulative effects by summing the ratios of detected concentrations to PRGs for all chemicals at each sampling location. At those locations where the summed PRG ratio was found to be greater than 1, all chemicals with a PRG ratio greater than 0.1 were also identified as COPCs.

Metals are naturally occurring elements in soil, sediment, groundwater, and surface water. Metal concentrations that do not exceed background levels are not considered in estimating carcinogenic risks and noncarcinogenic hazards. Maximum detected concentrations of metals in soil were compared to IAC Title 35 Part 742 soil background concentrations for counties within metropolitan statistical areas.

Based on the screening process described above, Table 4-3 identifies COPCs in soil at Landfill 1. Table 4-4 identifies COPCs in sediment at Landfill 1. Results of the screening process for groundwater at Landfill 1 are presented in Table 4-5.

**Table 4-3. Chemicals of Potential Concern in Soil at Landfill 1**

Analyte Name	Units	Maximum Concentrations	Region 9 PRGs (Industrial Soil)	IAC Title 35 Section 742	Background
<b>Metals</b>					
Cadmium	mg/kg	7	7.4	1	0.6
Chromium, Total	mg/kg	68.3	450	21	16.2
Nickel	mg/kg	69.2	20,000	20	18
Zinc	mg/kg	1380	100,000	1,000	95
<b>Volatile Organic Compounds</b>					
None					
<b>Pesticides/PCBs</b>					
Aroclor 1254	µg/kg	140	740	NV	NV

NV = No Value

**Table 4-4. Chemicals of Potential Concern in Sediment at Landfill 1**

Analyte Name	Units	Maximum Concentrations	Region 9 PRGs (Industrial Soil)	IAC Title 35 Section 742	Background
<b>Metals</b>					
Zinc	mg/kg	194	100,000	170	NV
<b>Volatile Organic Compounds</b>					
None					
<b>Pesticides/PCBs</b>					
Endrin	µg/kg	1.3	180,000	1	NV
<b>PAHs</b>					
Benz(a)anthracene	µg/kg	1,600	2,100	NV	NV
Benzo(a)pyrene	µg/kg	2,000	210	NV	NV
Benzo(b)fluoranthene	µg/kg	3,200	2,100	NV	NV
Benzo(k)fluoranthene	µg/kg	1,000	2,100	NV	NV
Chrysene	µg/kg	2,400	210,000	NV	NV
Dibenz(a,b)anthracene	µg/kg	330	210	NV	NV
Indeno(1,2,3-cd)pyrene	µg/kg	1,700	2,100	NV	NV

NV = No Value

**Table 4-5. Chemicals of Potential Concern in Groundwater at Landfill 1**

Analyte Name	Units	Maximum Concentrations	Region 9 PRGs (Tap Water)	MCL
<b>Metals</b>				
Arsenic	mg/L	0.0129	0.000045	0.010 <sup>1</sup>
Manganese	mg/L	1.89	0.88	None <sup>2</sup>
<b>Volatile Organic Compounds</b>				
Benzene	µg/L	9	0.34	5
Ethylbenzene	µg/L	5	2.9	700

Analyte Name	Units	Maximum Concentrations	Region 9 PRGs (Tap Water)	MCL
Methylene Chloride	µg/L	7	4.3	None
<b>Pesticides/PCBs</b>				
None				
<b>PAHs</b>				
Benz(a)anthracene	µg/L	15	0.092	None
Benzo(a)pyrene	µg/L	9	0.0092	0.2
Benzo(b)fluoranthene	µg/L	15	0.092	None
Benzo(k)fluoranthene	µg/L	4	0.92	None
Chrysene	µg/L	15	9.2	None
Dibenzofuran	µg/L	41	24	None
Indeno(1,2,3-cd)pyrene	µg/L	1	0.092	None
Naphthalene	µg/L	120	6.2	None

<sup>1</sup> As of January 23, 2006

<sup>2</sup> Secondary drinking water standard = 0.05 mg/L

A HHRA was completed in 1999 for the 40 areas (AOCs and IRP sites) addressed in the RI process and one area (TCE Site, IRP-SS-019) identified following completion of the RIs in 2001. In addition, a HHRA was completed for Landfill 1 in 2004. The HHRA estimated potential human health effects due to exposure to contaminants in the absence of further remedial measures. The HHRA addressed current land use and exposure conditions and a future land use scenario assuming industrial/commercial uses. Potential exposure pathways considered in the HHRA included ingestion, inhalation, and dermal contact with soils and dermal contact with groundwater.

For the AOCs and IRP sites, estimated carcinogenic risks from exposure to soil under the Reasonable Maximum Exposure (RME) and Central Tendency (CT) conditions were calculated during the 1999 HHRA and 2001 update. Estimated risks exceeding 1E-06 are summarized in Table 4-6 below. The RME portrays the high-end portion of the risk while CT conditions reflect an estimate of average exposure and uses average values for most exposure parameters.

**Table 4-6. Estimated Carcinogenic Human Health Risks Exceeding 1E-06 for Exposure to Soil**

Exposure Area		Receptor	RME Conditions		CT Conditions	
			Current Land Use	Future Land Use	Current Land Use	Future Land Use
Parcel 2/3A Sites						
AST-1702	Elevated Water Tank (IRP-ST-015)		(a)	(a)	(a)	(a)
OTH-1	Former Coal Storage Area (IRP-SA-017)	Maintenance Worker	8E-05*	3E-05*	2E-06*	3E-06*
		On-Site Worker	1E-05*	4E-06*	-	-
		Construction Worker	(c)	1E-06*	-	-
		Trespasser	(c)	2E-06*	-	-
OTH-HF-02	Hardfill No. 2	Maintenance Worker	(b)	9E-06	-	-
OTH-TP	Former Trailer Park (IRP-OT-016)	Maintenance Worker	2E-04*	2E-04*	3E-06*	3E-06*
		On-Site Worker	2E-05*	2E-05*	-	-
		Construction Worker	(c)	4E-06*	-	-
		Trespasser	(c)	1E-05*	-	-
OWS-2909	Oil/ Water Separator 2909	Maintenance Worker	(b)	2E-05	-	-
		On-Site Worker	(b)	2E-06	-	-
OWS-63B	Oil/ Water Separator 63B	No Estimated Risks Exceeded 1E-06				
OWS-30B	Oil/ Water Separator 30B	Maintenance Worker	(b)	2E-05	2E-06	-
UST-1902A/B	Underground Storage Tank 1902A/B	Maintenance Worker	(b)	2E-05	2E-06	-
		On-Site Worker	(b)	2E-06	-	-
OWS-19C	Oil/ Water Separator 19C	Maintenance Worker	(b)	7E-06	-	-
OWS-66A/B	Oil/ Water Separator 66A/B	Maintenance Worker	(b)	1E-05	-	-
		On-Site Worker	(b)	2E-06	-	-
OTH-8-1	Former Paint Shop	Maintenance Worker	(b)	5E-06	-	-
Parcel 3 Sites						
STM-74	Building 74 Hydraulic Lift Systems	No Estimated Risks Exceeded 1E-06				
UST-12A	Underground Storage Tank 12A	Maintenance Worker	(b)	2E-06	-	-
UST-12B	Underground Storage Tank 12B	Maintenance Worker	(b)	2E-05	-	-
		On-Site Worker	(b)	3E-06	-	-
		Trespasser	(c)	2E-06	-	-
UST-26A	Underground Storage Tank 26A	Maintenance Worker	(b)	5E-06	-	-
UST-19C3	Underground Storage Tank 1903	Maintenance Worker	(b)	4E-06	-	-
UST-40C	Underground Storage Tank 400	Maintenance Worker	(b)	7E-06	-	-

Exposure Area		Receptor	RME Conditions		CT Conditions	
			Current Land Use	Future Land Use	Current Land Use	Future Land Use
OWS-17A	Oil/Water Separator 17A	No Estimated Risks Exceeded 1E-06				
OWS-74D	Oil/Water Separator 74D	No Estimated Risks Exceeded 1E-06				
OWS-55A	Oil/Water Separator 55A	Maintenance Worker	(b)	1E-05	-	-
OWS-43	Oil/Water Separator 43	No Estimated Risks Exceeded 1E-06				
OWS-70A	Oil/Water Separator 70A	Maintenance Worker	(b)	1E-05	-	-
		On-Site Worker	(b)	2E-06	-	-
OWS-72C	Oil/Water Separator 72C	Maintenance Worker	(b)	1E-05	-	-
		On-Site Worker	(b)	2E-06	-	-
OTH-13	Former Incinerator (IRP-IN-018)	Maintenance Worker	5E-05*	2E-05*	2E-06*	2E-06*
		On-Site Worker	6E-06*	2E-06*	-	-
		Trespasser	(c)	2E-06*	-	-
OTH-FT	Suspected Former Fire Training Area	Maintenance Worker	8E-06	-	-	-
OTH-7	Former Aircraft Hangar	Maintenance Worker	(b)	1E-05	-	-
OTH-2531-1	Aircraft Washrack Pad	Maintenance Worker	5E-06	5E-06	-	-
OTH-2531-2	Former Hazardous Waste Drum Storage	Maintenance Worker	(b)	1E-05	-	-
OTH-HF-01	Hardfill No. 1	Maintenance Worker	(b)	9E-06	-	-
<b>Installation Restoration Program Sites</b>						
IRP-ST-002	JP-4 Tank/West POL Area	Maintenance Worker	2E-04*	3E-05*	2E-06*	3E-06*
		On-Site Worker	2E-05*	4E-06*	-	-
		Trespasser	(b)	2E-06*	-	-
IRP-FT-003	Fire Protection Training Area	No Estimated Risks Exceeded 1E-06				
IRP-SS-005	Fuel Contaminated Soil Site	No Estimated Risks Exceeded 1E-06				
IRP-SS-007	Hazardous Waste Storage Site	Maintenance Worker	1E-05	1E-05	-	-
		On-Site Worker	5E-06	2E-06	-	-
IRP-OT-008	South Edge Concrete Apron	Maintenance Worker	1E-05	7E-06	-	-
IRP-OT-009	Vehicle Maintenance Facility	Maintenance Worker	1E-05	1E-05	-	-
IRP-OT-010	Storm Drainage Area	Maintenance Worker	(b)	1E-05	-	-
		On-Site Worker	(b)	2E-06	-	-
IRP-SS-012	South POL Area	Maintenance Worker	8E-06	-	-	-
IRP-ST-013	UST No. 405 Removal	No Estimated Risks Exceeded 1E-06				

Exposure Area		Receptor	RME Conditions		CT Conditions	
			Current Land Use	Future Land Use	Current Land Use	Future Land Use
IRP-ST-014	Fuel Line Break Area	Maintenance Worker	2E-05	1E-05	-	-
		On-Site Worker	2E-06	2E-06	-	-
IRP-SS-019	TCE Site	Maintenance Worker	(b)	5E-05*	-	-
		On-Site Worker	(b)	1E-05*	-	-
		Construction Worker	(b)	2E-06*	-	-
		Trespasser	(b)	4E-06*	-	-

**Notes:**

(a) Risk was not calculated for AST-1702, where lead was the only COPC. This site was subjected to an interim removal action using cleanup objectives approved by the BCTT.

(b) No COPCs were identified in surface soils.

(c) Not applicable

\* Prior to interim soil removal actions. Removal actions were completed to remove soils posing risks greater than 1E-05.

- **Risk is less than 1E-06.**

Source: 1999 Basewide Sites HHRA and 2001 update

The contaminants that contributed most significantly to carcinogenic risks at most AOCs and IRP sites were PAHs, primarily benzo(a)pyrene. Noncarcinogenic hazards were found not to be significant for any of the receptors under both reasonable maximum exposure (RME) and central tendency (CT) exposure conditions at each of the exposure areas.

According to the NCP, remedial action is generally considered unwarranted when carcinogenic risk is 1E-06 or less, while sites with cancer risk levels between 1E-04 and 1E-06 are considered to be within the risk management range. Carcinogenic risks for the industrial/commercial scenario were estimated to be less than 1E-06 for eight sites: STM-74, OWS-43, OWS-17A, OWS-63B, OWS-74D, IRP-FT-003, IRP-ST-013, and IRP-SS-005. Carcinogenic risks for the industrial/commercial scenario for the 27 remaining sites listed in Table 4-5 were estimated to be in the 1E-04 to 1E-06 risk management range.

The NCP indicates that remedial action is generally considered appropriate when carcinogenic risk is 1E-04 or greater. Carcinogenic risks at or above 1E-04 were estimated for maintenance workers for the current land use scenario at the JP-4 Tank/West POL Area (IRP-ST-002) and the Former Trailer Park (OTH-TP/IRP-OT-016), and for the future land use scenario at the Former Trailer Park.



Carcinogenic risks from exposure to groundwater under the RME and CT conditions were estimated for the South POL Area (IRP-ST-012), the only AOC or IRP site where groundwater COPCs were identified. No risks exceeded 1E-06.

For Landfill 1, the risk estimates were based on the RME in accordance with EPA guidance. A summary of estimated risks for current and future land uses is provided in Table 4-7. Carcinogenic hazards were not found to be significant for any receptors, as indicated by excess lifetime cancer risks (ELCR) values not greater than 1E-06.

Noncarcinogenic hazards also were not found to be significant for any of the receptors, as indicated by hazard index (HI) values of less than 1.

**Table 4-7. Summary of Estimated Risks – Soil, Sediment, Surface Water and Groundwater at Landfill 1**

	Mower	Maintenance Worker	On-Site Worker	Construction Worker	Trespasser
Total ELCR	3.E-12	1.E-07	9.E-11	6.E-07	6.E-11
Total HI	3.E-04	4.E-02	3.E-03	2.E-01	2.E-02

ELCR = Excess Lifetime Cancer Risk  
HI = Hazard Index

#### **4.4 Initial Response**

Eight soil removal actions were conducted at the Former O'Hare ARS to remove soil that contained contaminants at concentrations that resulted in unacceptable human health risk levels for either the present or future land uses. The removal actions are described below.

Removal actions were conducted at two sites, the South POL Area (IRP-ST-012) and the Fuel Line Break Area (IRP-ST-014), prior to the risk assessment described in Section 4.3. Petroleum-contaminated soil was excavated from the sites in 1993. The subsequent risk assessment identified risks within the 1E-04 to 1E-06 risk management range, indicating that further remediation was not necessary.

Removal actions were completed to remove soil posing risks greater than 1E-05 at the Former Coal Storage Area (OTH-1/IRP-SA-017), the Former Incinerator (OTH-13/IRP-IN-018), and the JP-4 Tank/West POL Area (IRP-ST-002); and to remove soil posing risks greater than 1E-06 at the TCE Site (IRP-SS-019) and Former Trailer Park (OTH-TP/IRP-OT-016). These removal actions were performed in compliance with the site-specific risk-based CUOs established for each area. A removal action also was

conducted at the Elevated Water Storage Tank (AST-1702) to remove soil contamination exceeding the industrial/commercial PRG for lead.

- **Elevated Water Storage Tank (AST-1702).** Removal actions were completed in 2001 to remove lead-contaminated soil to a site-specific CUO of 900 mg/kg. For the purpose of the removal action, AST-1702 was redesignated as Site IRP-ST-015. Soil was excavated to a depth of 1 foot from two separate areas, a 25-foot by 35-foot area south of the storage tank and a 47-foot by 52-foot area below the tank. The final excavation extents were determined by confirmation samples. In total, about 325 cubic yards of lead-contaminated soil were excavated and disposed at an off-site landfill.
- **Former Coal Storage Area (OTH-1/IRP-SA-017).** A removal action was completed in 2001 to address soil containing PAH contamination above risk-based CUOs. For this purpose, the site was redesignated IRP-SA-017 under the IRP. Based on the HHRA and Ecological Risk Assessment (ERA), CUOs for the removal action at the Former Coal Storage Area were calculated using a target risk of 1E-05. The IEPA Cleanup Objectives Review Evaluation (CORE) committee approved the 1E-05 target risk level under the industrial/commercial scenario. The CUOs are presented in Table 4-8.

**Table 4-8. Cleanup Objectives at IRP-SA-017**

Chemical	Cleanup Objective (mg/kg)
Benzo(a)pyrene	3.0
Benzo(b)fluoranthene	30
Benzo(a)anthracene	30
Chrysene	3,000
Indeno(1,2,3-cd)pyrene	30

During the removal actions, soil was excavated from two separate areas. The northern excavation area was approximately 50 feet by 40 feet and 2 feet deep. A smaller (10-foot by 10-foot) excavation within this area extended to a depth of 3 feet bgs. The southern excavation area was approximately 80 feet by 60 feet and 2 feet deep. Within this area, multiple smaller excavations extended to depths up to 4 feet bgs. The final excavation extents were determined by confirmation sample results. In total, an estimated 662 cubic yards of PAH-contaminated soil were excavated and disposed at an off-site landfill.

During excavation in the southern excavation area, a portion of the north sidewall was extended to the southern edge of an adjacent asphalt parking area, based on sample results. Confirmation samples collected from this sidewall exceeded the CUO for benzo(a)pyrene. During the excavation process, pieces of asphalt were observed throughout the southern excavation area. It was believed that these benzo(a)pyrene exceedances resulted from these asphalt pieces or runoff from the asphalt parking area. Confirmation samples collected from other portions of the southern excavation area indicated that the site-specific CUOs had been met for the remainder of the excavation area. A risk assessment was performed utilizing the results of all the confirmation samples collected at the site, including those that exceeded the CUOs, and indicated that the removal actions at the site were protective of human health and the environment. Based on all these facts, the BCTT agreed on 22 August 2001 that no further excavation in this direction would be required.

- **Former Trailer Park (OTH-TP/IRP-OT-016).** A removal action was completed in 1999 to address soil containing PAHs above CUOs. For this purpose, the site was redesignated IRP-OT-016 under the IRP.

CUOs selected by the BCTT for IRP-OT-016 were Tier I Industrial/Commercial cleanup objectives found in Appendix B of 35 IAC Part 742 (Tiered Approach to Corrective Action Objectives [TACO]), as listed in Table 4-9.

**Table 4-9. Cleanup Objectives at IRP-OT-016**

Chemical	Cleanup Objective (mg/kg)
Benzo(a)pyrene	0.80
Benzo(b)fluoranthene	5.0
Benzo(a)anthracene	2.0
Chrysene	160
Dibenzo(a,h)anthracene	0.80
Indeno(1,2,3-cd)pyrene	8.0

Excavation was conducted to a depth of 1.5 feet across an approximately 400-foot by 540-foot area. Locally deeper excavations were completed within this area to depths ranging from 2 to 10.5 feet bgs. The final excavation extents were determined by confirmation sample results. In total, an estimated 14,300 cubic

yards of PAH-contaminated soil was excavated and disposed at an off-site landfill.

- **Former Incinerator (OTH-13/IRP-IN-018).** A removal action was completed in 2001 to address soil containing PAHs above risk-based CUOs. For this purpose, the site was redesignated IRP-IN-018 under the IRP.

Based on the HHRA and ERA, CUOs for the removal action at the Former Incinerator were calculated using a target risk of 1E-05. A Tier II evaluation was conducted as detailed in 35 IAC 742 to confirm that the CUOs were protective of groundwater. The IEPA CORE committee approved the 1E-05 target risk level under the industrial/commercial scenario. The CUOs are presented in Table 4-10.

**Table 4-10. Cleanup Objectives at IRP-IN-018**

Chemical	Cleanup Objective (mg/kg)
Benzo(a)pyrene	3.0
Benzo(b)fluoranthene	30
Benzo(a)anthracene	30
Chrysene	487.160
Dibenzo(a,h)anthracene	30
Indeno(1,2,3-cd)pyrene	30

Soil was excavated to a depth of 2 feet bgs from a main excavation area of approximately 46 feet by 15 feet, and a smaller adjoining excavation area of approximately 10 feet by 12 feet located south of the former incinerator. The final excavation extents were determined by confirmation sample results. During the removal action, approximately 60 cubic yards of PAH-contaminated soil were excavated and disposed at an off-site landfill.

- **JP-4 Tank / West POL Area (IRP-ST-002).** During demolition of the West POL Area in 1991 and 1992, the AST, two USTs, and the associated pump house and piping were removed and construction commenced on a new refueling truck staging area. During construction, approximately 4,800 cubic yards of contaminated soil were excavated for construction purposes and disposed at an off-site landfill. This included removing the top 2 feet of soil over approximately

60 percent of the site for construction of the truck parking lot, excavating 8-foot deep trenches beneath portions of the site to install a network of stormwater drainage pipes, and excavating an 11-foot pit to remove the two 50,000-gallon JP-4 USTs.

A second removal action was completed at the site in October/November 1999 to address soil containing PAHs above risk-based CUOs. Based on the HHRA and ERA, CUOs for the 1999 removal action at IRP-ST-002 were calculated using a target risk of 1E-05. The IEPA CORE committee approved the 1E-05 target risk level under the industrial/commercial scenario. CUOs are presented in Table 4-11.

**Table 4-11. Cleanup Objectives at IRP-ST-002**

Chemical	Cleanup Objective (mg/kg)
Benzo(a)pyrene	3.0
Benzo(b)fluoranthene	30
Benzo(a)anthracene	30
Chrysene	3,000
Dibenzo(a,h)anthracene	3.0
Indeno(1,2,3-cd)pyrene	30

Soil was excavated to a depth of 2 feet from an area of 64.5 feet by 98 feet. The final excavation extent was determined by confirmation sample results. In total, an estimated 470 cubic yards of PAH-contaminated soil were excavated and disposed at an off-site landfill.

- **South POL Area (IRP-ST-012).** From July to November 1993, during demolition of the South POL, approximately 9,400 cubic yards of petroleum-contaminated soil was excavated from the area surrounding the former ASTs. Approximately 6,000 cubic yards of the excavated soil were treated using low-temperature thermal desorption and then returned to the site. Approximately 3,000 cubic yards of the soil were disposed at an off-site landfill. The excavation extended approximately 10 feet below ground surface in the vicinity of the ASTs and 6 feet below ground surface south of the tank locations.

An RI was completed at this site in 1998. Supplemental RI activities were completed in January 2000 and April 2001. Samples were collected and analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX), semi-volatile organic compounds (SVOCs), PAHs, and ethylene glycol. The results of the samples were used to re-evaluate the HHRA and ERA for this site. This review indicated that no further investigation was necessary for the South POL Area.

- **Fuel Line Break Area (IRP-ST-014).** In 1993, the fuel line was excavated for replacement and soil contamination was encountered. Approximately 700 cubic yards of contaminated soil were excavated and treated by low-temperature thermal desorption. The excavation was backfilled with treated soil from the desorption process and additional soil from off site. A new AST with secondary containment was installed to provide heating oil to Building 66.
- **TCE Site (IRP-SS-019).** A removal action was completed between May and October 2000 to remove contaminated soil that were present above CUOs. Based on the human health risk evaluations, CUOs for the removal action at IRP-SS-019 were calculated using a target risk of 1E-06. The IEPA's R-26 equation in 35 IAC 742 was used to confirm that the CUOs were protective of groundwater. The CUOs are presented in the Table 4-12.

**Table 4-12. Cleanup Objectives at IRP-SS-019**

Chemical	Cleanup Objective (mg/kg)
Trichloroethene	7.5
Vinyl chloride	0.08
Cis-1,2-Dichloroethene	50
Trans-1,2-Dichloroethene	72
1,1-Dichloroethene	0.4
1,1-Dichloroethane	600
1,2-Dichloroethane	0.7

Approximately 6,730 cubic yards of soil were excavated and transported to an off-site disposal facility. Supplemental confirmation sampling in April and May 2001 indicated the need for additional soil removal, and in July 2001, an additional approximately 425 cubic yards were excavated and transported to an

off-site disposal facility. The final extents of these excavations were determined by confirmation samples.

#### **4.5 Basis for Taking Action**

As described in Section 4.2.1, current land use on and adjacent to the Former O'Hare ARS property is industrial/commercial in nature. The property has been transferred to the City of Chicago and is in the initial stages of redevelopment. Future development and use of the property is anticipated to remain industrial/commercial, associated with O'Hare IAP.

Extensive investigations have been completed at 42 IRP sites and AOCs, as described in Section 4.3. Risk assessments conducted at these sites identified only two sites, the JP-4 Tank/West POL Area (IRP-ST-002) and the Former Trailer Park (OTH-TP/IRP-OT-016), where the potential carcinogenic risk estimate exceeded the 1E-04 risk level for the industrial/commercial use scenario. As described in Section 4.4, removal actions have been completed at these two sites, and six other sites, to remove soil that contained contaminants at concentrations that posed potentially unacceptable human health risks

Upon completion of these removal actions, no further action was determined to be necessary to protect future industrial/commercial receptors. The risk assessment did not estimate potential risks to other, non-industrial/commercial receptors, such as future residents, because such future use was determined to be unlikely.

For a site where certain future use scenarios are not anticipated, and therefore not evaluated, it may be appropriate to take action limiting such uses even if the baseline risk assessment has not indicated risks above the thresholds. In the case of the sites at the Former O'Hare ARS, only commercial and industrial scenarios were evaluated, and LUCs/ICs were determined to be warranted to limit residential and agricultural use of the property and prohibit use of groundwater.



# Remedial Actions



## 5.0 REMEDIAL ACTIONS

The Basewide ROD was signed by the AFBCA and EPA Region 5 on September 30, 2002, and by IEPA on November 18, 2002. The Landfill 1 ROD was signed in September 2005. These two RODs identify the final remedy for all 42 AOCs and IRP sites described in this five-year review and established the following remedial action objectives (RAOs) for the Former O'Hare ARS site:

- Prevent use of sites at the Former O'Hare ARS which could result in human exposures to COPCs in soil which are greater than those evaluated in risk assessments for the projected future use of the property
- Prevent groundwater with concentrations of COPCs in excess of preliminary remediation goals from becoming available to potential human receptors
- Prevent consumption, use, or exposure to groundwater with concentrations of benzene or benzo(a)pyrene in excess of drinking water standards.

To accomplish these RAOs, LUCs/ICs were selected as the final remedy for the Former O'Hare ARS site. Restrictive covenants were placed in the Deeds for the Former O'Hare ARS property to perform the following actions;

- Prohibit the development and use of the Former O'Hare ARS property as agricultural property and residential property
- Preclude future use of groundwater by prohibiting the installation and use of potable and/or non-potable water supply wells on the Former O'Hare ARS property.

The Former O'Hare ARS property (with the exception of Landfill 1) was transferred to the City of Chicago in 2003, and the Deed included the restrictive covenants described above. Landfill 1 was transferred to the City of Chicago in 2005, and the Deed included the restrictive covenants described above. Appendix A includes a copy of the property transfer deeds, including restrictive covenants, for the former O'Hare ARS.



## **6.0 FIVE-YEAR REVIEW PROCESS**

### **6.1 Notification of Potentially Interested Parties**

Parties most likely to have a significant interest in the five-year review process and results were identified at the outset of the review, notified that the review was being initiated, and solicited for input on the review process. The primary stakeholders include:

- Regulatory Agencies - EPA Region 5 and IEPA
- Affected Property Owners - The City of Chicago's Department of Aviation (DOA).

On May 17, 2007, representatives of AFRPA participated in a teleconference with EPA Region 5 and IEPA to kick off the five-year review, briefed them on USAF's approach and process for the review, presented a draft outline of the first five-year review report, and invited to participate in the site inspections. AFRPA subsequently notified the DOA that the five-year review had been initiated and requested that DOA personnel participate in site inspections and interviews associated with the five-year review.

### **6.2 Identification of Five-Year Review Team Members**

AFRPA conducted the five-year review, in accordance with their role as the CERCLA lead agency for the Former O'Hare ARS, with technical support from Booz Allen.

- Mr. David Strainge, AFRPA, was the team leader. He provided oversight of all aspects of the review and approved the final five-year review report.
- Mr. Vergel Casunuran, Booz Allen, was the technical lead for the review. He managed the day-to-day activities of the review, led the protectiveness evaluation and development of technical recommendations, and provided historical context for the review as well as chemistry expertise.
- Mr. Ed Baker, Ms. Frances Hodge, and Mr. John Belin, Booz Allen, provided technical support for the review. Mr. Baker provided support on protectiveness evaluation and development of technical recommendations as well as chemistry and hydrogeology expertise. Ms. Hodge is an environmental scientist based in the Booz Allen Chicago Office. She provided site inspection, stakeholder interview, and on-site coordination

support. Mr. Belin is a risk assessor and provided technical support for the remedy protectiveness evaluation.

EPA Region 5 and IEPA provided regulatory oversight of the five-year review. In this capacity, they provided input and guidance during the five-year review process and reviewed and provided comments on the report.

### **6.3 Components and Schedule of the Five-Year Review**

The five-year review for O'Hare ARS was initiated at the kickoff meeting on May 17, 2007. Site inspections were conducted on May 31, 2007. Document review, data evaluation, and protectiveness determinations were conducted in May and June 2006. The review will be finalized by September 30, 2007.

### **6.4 Document Review**

This five-year review focused on the following RODs and supporting risk assessment documentation.

- Final Record of Decision, Basewide, Montgomery Watson Harza (MWH), September 2002.
- Final Record of Decision, Landfill 1, AFRPA, August 2005.

These documents define the nature and extent of contamination that was identified at the Former O'Hare ARS, describe the extent of soil excavation conducted as part of completed removal actions, define residual contamination that remains in place at concentrations exceeding unrestricted use and unlimited exposure criteria, and describe the final remedy selected to address the residual contamination. This information provides the basis for the five-year review.

In addition, the recordation status of the deeds was verified. Appendices A-1 and A-2 include copies of the recorded deeds for Parcels 2 and 3 and for Landfill 1, respectively. A title search was not conducted because the City of Chicago's DOA has and intends to maintain control of the property and therefore, none of the Former O'Hare ARS property has been sold by the City of Chicago. This was verified with the representative from the City of Chicago's DOA during the BCTT meeting held in July 24, 2007. All the information gathered from the RODs, the supporting risk assessment documentation, and the recorded deeds provide the basis for the five-year review.

## **6.5 Data Review and Evaluation**

The data review focused on risk assessment results and screening levels identified in the Basewide and Landfill 1 RODs, as well as prior risk assessment documentation. In particular, risk screening levels used in the original identification of COPCs, toxicity factors used in developing the original risk estimates, and cleanup objectives developed to support completed removal actions were reviewed to ensure that they remain protective.

## **6.6 Community Notification**

A public notice announcing initiation of the five-year review was published in the Chicago Tribune on June 11, 2007 (Appendix B).

## **6.7 Other Community Involvement Activities**

The final five-year review report will be placed in the Information Repository (IR) and Administrative Record (AR) for the Former O'Hare ARS and made available for public review. A second public notice will be published announcing the completion of the five-year review and its availability at the IR. Additional community involvement activities are not planned as part of this five-year review due to lack of community interest. Public meetings and comment periods were held during development of the Basewide and Landfill 1 RODs. No comments were received on either document.

The designated IR for the former O'Hare ARS is located at:

Village of Des Plaines Public Library

1501 Ellinwood Avenue

Des Plaines, Illinois 60016

(847)-827-5551

Hours: M-F (9 am – 9 pm); Sat. (9 am – 5 pm), and Sun. (1 pm – 5 pm) CST

## **6.8 Site Inspections**

Site inspections of the five-year review sites were conducted on May 31, 2007. Copies of the inspection checklists and associated photographic log are included in Appendixes C and D, respectively.

## **6.9 Site Interviews**

A site interview with a representative of the City of Chicago's DOA was conducted during the site inspections on May 31, 2007. Information regarding current and anticipated future land use was obtained during this interview.



## 7.0 TECHNICAL ASSESSMENT

As part of the five-year review, the 42 AOCs and IRP sites identified in the Basewide and Landfill 1 RODs were re-evaluated to ensure that remedies identified in the RODs remain protective of human health and the environment. The sites were reviewed to ensure that:

- The remedy continues to function as intended by the RODs
- Exposure assumptions, toxicity data, cleanup levels, and RAOs used at the time of remedy selection remain valid
- No additional information has come to light that would call into question the protectiveness of the evaluation.

Each of these issues is addressed separately below.

### 7.1 Question A: Is the remedy functioning as intended by the decision documents?

Yes. The LUCs required by the RODs (i.e., restrictive covenants prohibiting agricultural and residential use of the property and the installation and use of water supply wells) were included in the Deeds at the time of property transfer to the City of Chicago (see Appendix A). A LUC inspection was conducted on May 31, 2007, and no evidence was identified to indicate that the LUCs had been breeched (see Appendix C). The Former O'Hare ARS property remains largely inactive and is in the initial stages of industrial/commercial redevelopment. Landfill 1 remains part of the active airfield. No agricultural or residential use, well installation, or other activity inconsistent with the LUCs, has occurred.

### 7.2 Question B: Are the exposure assumptions, toxicity data, cleanup levels, and remedial action objectives used at the time of remedy selection still valid?

#### Basewide Sites

**Screening Criteria:** This five-year review did not identify changes to the federal MCLs, which were used to evaluate COPCs in groundwater. The current Illinois TACO values for chromium (420 mg/kg) and lead (800 mg/kg) are slightly less than the PRGs for chromium (450 mg/kg) and lead (900 mg/kg) that were in effect at the time of remedy selection. Chromium was a COPC only at the Storm Drainage Area (IRP-OT-010), and lead was a COPC only at the Elevated Water Tank (AST-1702/IRP-ST-015). Given the



limited magnitude of the screening level decreases and the limited number of sites at which these constituents were identified at elevated concentrations, it is unlikely that these changes would result in a significant change in the identification of COPCs or subsequent risk assessment.

**Exposure Assumptions:** No changes in the site conditions were identified as part of the five-year review that would affect exposure assumptions. No changes in land use have occurred or are planned, and no new contaminants, sources, or routes of exposure were identified.

**Toxicity Data:** There have been several changes in toxicity data used to evaluate risks identified in the Basewide ROD at the time of remedy selection that may result in slightly higher risk estimates. New toxicity data were identified for the following COPCs:

- The oral slope factor for benzene increased from 2.90E-02 to 5.50E-02, which corresponds to a 90 percent increase
- The inhalation reference dose for trans 1,2-dichloroethene decreased from 2.00E-2 to 1.71E-02, which corresponds to a 15 percent decrease
- New oral reference dose values were identified for benzene (4.00E-03), vinyl chloride (3.00E-03), and Aroclor 1254 (2.00E-05)
- New inhalation reference dose values were identified for benzene (8.57E-03), vinyl chloride (2.86E-02), and Aroclor 1254 (2.00E-05).

The limited changes in toxicity data discussed above are unlikely to have a significant effect on the risks posed by exposure to contaminants. The toxicity data changes identified during this evaluation only apply to three sites - Underground Storage Tank 12B (UST-12B), the South POL Area (IRP-SS-012), and the TCE Site (IRP-SS-019). The cancer risk estimated for these three sites were 2.00E-05, 8.00E-06, and 5.00E-05, respectively, and a removal action was subsequently conducted at the TCE Site to remove all contaminated soil that exceeded the 1.00E-06 risk level. As a result, more substantial changes in toxicity data would be required before unacceptable risk (i.e., greater than 1E-04) or hazard levels (i.e., greater than 1) would be reached that would call into question the protectiveness of the selected remedies.

**Cleanup Levels:** Removal actions were performed in compliance with site-specific risk-based CUOs established for six sites: AST-1702, IRP-SA-017, IRP-ST-002, OTH-TP/IRP-

OT-016, IRP-IN-018, and IRP-SS-019. The CUOs were established at concentrations that were determined to be protective of human health for both the present or future land uses. Based on an evaluation performed as part of this Five-Year Review, it was determined that the CUOs remain valid given that no significant changes in the underlying toxicity data or exposure assumptions have occurred.

**Remedial Action Objectives (RAOs):** There have been no changes since the Basewide ROD was signed that would change the RAOs.

### **Landfill 1 Site**

**Screening Criteria:** The screening criterion for dibenzofuran in groundwater decreased (i.e., became more stringent) by 50 percent, from 24 micrograms per liter ( $\mu\text{g/L}$ ) in 2005 to 12  $\mu\text{g/L}$  currently. Maximum cumulative cancer risk and noncancer hazard estimates at the Landfill 1 site were 6.00E-07 and 0.2, respectively, for a construction worker receptor. Dibenzofuran was retained as a COPC and carried through the risk assessment. As a result, the change in the groundwater screening criteria for dibenzofuran would not draw the protectiveness of the selected remedy into question.

**Exposure Assumptions:** No changes in the site conditions were identified as part of the five-year review that would affect exposure pathways. No changes in land use have occurred or are planned, and no new contaminants, sources, or routes of exposure were identified.

**Toxicity Data:** There have been several changes in toxicity data used to evaluate risks identified in the Landfill 1 ROD at the time of remedy selection that may result in slightly higher risk estimates. New toxicity data were identified for the following COPCs:

- New oral cancer slope factors were identified for Aroclor 1254 (2.00E-00) and methylene chloride (7.50E-03)
- New inhalation cancer slope factors were identified for Aroclor 1254 (2.00E-00), bis(2-ethylhexyl)phthalate (1.40E-02), and methylene chloride (1.65E-03)
- The oral slope factor for benzene increased from 2.90E-02 to 5.50E-02, which corresponds to a 90 percent increase
- New oral reference dose values were identified for benzene (4.00E-03) and methylene chloride (6.00E-02)

- New inhalation reference dose values were identified for Aroclor 1254 (2.00E-05), benzene (8.57E-03), bis(2-ethylhexyl)phthalate (2.00E-02), and dibenzofuran (2.00E-03).
- The oral reference dose for bis(2-ethylhexyl)phthalate decreased from 4.00E-03 to 1.00E-03, which corresponds to a 75 percent decrease.

The limited changes in toxicity data discussed above are unlikely to have a significant effect on the risks posed by exposure to contaminants because the maximum cancer risk and noncancer hazard for the Landfill 1 site were 6.00E-07 and 0.2, respectively, for a construction worker receptor. As a result, more substantial changes in toxicity data would be required before unacceptable risk or hazard levels would be reached that would call into question the protectiveness of the selected remedies for the Landfill 1 site.

**Cleanup Levels:** As described above, risk estimates for the Landfill 1 site were significantly less than 1.00E-06. As a result, no specific cleanup levels have been established.

**Remedial Action Objectives (RAOs):** There have been no changes since the Landfill 1 ROD was signed that would change the RAOs.

A table containing updated toxicity criteria values that have changed since the initial risk assessments and the source of each updated toxicity value is included in Appendix E.

### **7.3 Question C: Has any other information come to light that could call into question the protectiveness of the remedy?**

No. Based on discussions with a representative from the City of Chicago DOA, the former O'Hare ARS will be developed into a cargo facility in the next five to ten years. The development will include construction of new facilities for cargo transfer and aircraft parking ramps. The City of Chicago is also planning industrial/commercial development of the Fort Dearborn property, once the entire property has been transferred to the City of Chicago. This redevelopment is entirely consistent with the land use assumptions used in the HHRA and selection of the LUCs/ICs remedy, and is fully compatible with the LUCs/ICs specified in the Basewide and Landfill 1 RODs.

#### **7.4 Summary of Technical Assessment**

As described in Sections 7.1 through 7.3, land use at the Former O'Hare ARS remains industrial/commercial and is anticipated to remain industrial/commercial in the future. There have been several minor changes in the screening criteria and toxicity data that were used in the original risk assessment and remedy selection in the Basewide and Landfill 1 RODs. However, these changes were far less than the order of magnitude changes that would be required to drive estimated risks above the  $1.00\text{E-}04$  threshold. Land use at all sites remains industrial/commercial in nature, so the exposure pathways used in the original risk assessment and remedy selection also remain valid. As a result, the selected remedies of LUCs/ICs prohibiting residential and agricultural use of the property and installation/use of water supply wells remain appropriate and effective.



## **8.0 ISSUES**

No significant issues were identified that would question the protectiveness of the final remedies for any of the sites at the Former O'Hare ARS.



**Recommendations**

## **9.0 RECOMMENDATIONS AND FOLLOW-UP ACTIONS**

As described above, no issues were identified during the five-year review that would necessitate follow-up actions. The following actions are recommended to ensure that the existing LUCs/ICs remedies remain effective over the long-term:

- The Air Force should maintain contact with the Chicago Department of Aviation (DOA) to reinforce the LUCs/ICs implementation requirements on an ongoing basis and ensure that such requirements are transferred to any future property owners or tenants.
- Inspections, interviews, and protectiveness evaluations should be conducted every five-years, in conjunction with subsequent five-year reviews to ensure ongoing compliance with the LUCs/ICs and remedy protectiveness.





## **10.0 PROTECTIVENESS STATEMENTS**

The selected remedies for the Former O'Hare ARS remain protective of human health and the environment and are anticipated to remain protective in the future. LUCs/ICs specified in the Basewide and Landfill 1 RODs remain appropriate. Restrictive covenants required by the RODs were included in property transfer deeds and remain effective. Current and anticipated future use of the property are industrial/commercial in nature and are fully consistent with the LUCs/ICs remedy. Groundwater at the former base is not currently used for any purpose, and LUCs/ICs prohibiting well installation and use are adequate to ensure that significant exposures do not occur in the future.

*j*

**Next Review**

## **11.0 NEXT REVIEW**

The next five-year review for the Former O'Hare ARS will be prepared by September 30, 2012.



## **APPENDIX A**

### **PROPERTY TRANSFER/RESTRICTIVE COVENANT DOCUMENTATION**

**APPENDIX A-1**

**DEED FOR PARCELS 2 AND 3**

THIS DEED WAS PREPARED BY AND AFTER  
RECORDING RETURN TO:

Sue Ann Fishbein  
Piper Rudnick  
203 No. LaSalle Street  
Chicago, Illinois 60601

Location of Property:  
Near the southwest corner of  
Higgins and Mannheim Roads, at  
O'Hare International Airport,  
Chicago, Illinois

P.I.N.: Part of 12-05-402-005-0000

*This space reserved for Recorder's use only.*

COPY

0323803027  
Eugene "Gene" Moore Fee: \$88.00  
Cook County Recorder of Deeds  
Date: 08/28/2003 10:39 AM Pg: 1 of 33

**QUITCLAIM DEED AND PARTIAL TERMINATION OF  
LEASE**

This QUITCLAIM DEED made and entered into this 24th day of July, 2003 by the United States of America, hereinafter referred to as the Grantor, acting by and through the Secretary of the Air Force, under and pursuant to the powers and authority contained in the Defense Base Closure and Realignment Act of 1990, as amended (10 U.S.C. §2687), and rules and regulations promulgated thereunder, and the City of Chicago, a municipal corporation organized and existing under and pursuant to the laws of the State of Illinois, hereinafter referred to as the Grantee.

**WITNESSETH**

That for the total consideration of \$1.00, the receipt of which is hereby acknowledged by the Grantor, and for the contractual consideration of the mutual covenants and agreements as set forth and stated in the Offer of Purchase Agreement made and entered into by and between the Grantor and the Grantee on the 30th day of October, 1996, as amended by Corrective Amendment ("Corrective Amendment") to Offer of Purchase Agreement and Memorandum of Offer of Purchase Agreement dated May 27, 1997, by Second Corrective Amendment ("Second Corrective Amendment") to Offer of Purchase Agreement and Memorandum of Offer of Purchase Agreement dated January 5, 1998, and by Third Amendment to Offer of Purchase Agreement dated July 31, 1999 (collectively, the "Purchase Agreement"), a memorandum of which was recorded as Document No. 96929261 as amended by Corrective Amendment recorded as Document No. 97434616 and Second Corrective Amendment recorded as Document No. 98053748 in the Office of the Recorder of Deeds for Cook County, Illinois, the Grantor does hereby convey and quitclaim unto the Grantee, the City of Chicago, a municipal corporation organized and existing under and pursuant to the laws of the State of Illinois, a certain tract of real estate ("Parcel A") located within the boundary of the O'Hare Air Reserve Forces Facility, Cook County, Illinois, and being more particularly described on Exhibit A hereto, together with all buildings and improvements thereon or therein, all facilities, fixtures, machinery, equipment



and conduits to provide fire protection, security, heat, exhaust, ventilation, air conditioning, electrical power, light, plumbing, refrigeration, gas, sewer and water thereto; all privileges, rights, easements, hereditaments, and appurtenances thereto belonging; and all right, title and interest of Grantor in and to all streets, alleys, passages and other rights-of-way included therein or adjacent thereto (before or after their vacation).

In addition, for the consideration described in the land exchange agreement between the Grantor and Grantee entered into on October 11, 1989 and recorded on October 18, 1989 in the Office of the Recorder of Deeds of Cook County, Illinois, as Document No. 89-494396, Grantor does hereby convey and quitclaim unto the Grantee, the City of Chicago, Illinois a municipal corporation organized and existing under and pursuant to the laws of the State of Illinois, a certain tract of real estate ("Parcel 6A") located within the boundary of the O'Hare Air Reserve Forces Facility, Cook County, Illinois, and being more particularly described on Exhibit B hereto, together with all buildings and improvements thereon or therein, all facilities, fixtures, machinery, equipment and conduits to provide fire protection, security, heat, exhaust, ventilation, air conditioning, electrical power, light, plumbing, refrigeration, gas, sewer and water thereto; all privileges, rights, easements, hereditaments, and appurtenances thereto belonging; and all right, title and interest of Grantor in and to all streets, alleys, passages and other rights-of-way included therein or adjacent thereto (before or after their vacation).

A portion of the property designated as Parcel 3 in the Purchase Agreement and Parcel 6 in the Exchange Agreement as legally described in Exhibit C hereto ("Landfill Parcel") is not being conveyed to Grantee as of the date of this Quitclaim Deed due to additional required environmental clean-up. Existing monitoring wells, which are currently located on Parcel A and Parcel 6A as shown on Exhibit E hereto, and the five 40,000 gallon underground storage tanks designated by Grantor as 1906, 1907, 1908, 1909 and 1910, all of which are located on Parcel A and which are to be removed by the Grantor, are considered personal property and are not being conveyed to the Grantee under this Deed. Also, Tracts 208, 209, 211 and 213 referenced and described in the Purchase Agreement are not being conveyed to Grantee as of the date of this Quitclaim Deed because a finding of suitability for transfer had not been issued at the delivery of this Quitclaim Deed.

Parcel A and Parcel 6A are collectively called the "Real Estate".

(CLOSING NOTE: Parcel A was designated as Parcels 2 and 3, less a portion falling within the Landfill Parcel; Parcel 6A was described in Section 32 of the Purchase Agreement and was designated as Parcel 6 in the Exchange Agreement, less a portion falling within the Landfill Parcel).

THE GRANTOR AND THE GRANTEE do hereby covenant and agree that the conveyance of the herein above-described Real Estate is by quitclaim without covenant or warranty of title. The Grantor does hereby covenant and warrant that the hereinabove described Real Estate is free and clear of all liens and encumbrances, except for exceptions set forth below. The above-stated covenant and warranty is made to the Grantee, and shall not extend to the successors and assigns of the Grantee.

1. Partial Lease Termination.

a) Grantor and Grantee hereby agree that the Lease dated June 18, 1997, as amended by First Amendment to Lease dated December 17, 1998, and Second Amendment to Lease dated July 31, 1999, and Third Amendment to Lease of Property dated July 31, 1999 ("Lease") between Grantor and Grantee, a memorandum of which was recorded in the Office of the Recorder of Deeds of Cook County, Illinois, as Document No. 97434617, as amended by Document Nos. 98145245, 99726321 and 99726322 is hereby terminated as to the Real Estate conveyed by this Deed.

b) Grantor and Grantee hereby agree that the license granted to Grantee with respect to Parcel 6 as set forth in Section 32 of the Purchase Agreement is terminated with respect to Parcel 6A conveyed by this Deed.

2. Easement Grants.

Grantor hereby grants to Grantee as a perpetual non-exclusive easement appurtenant to the Real Estate the continuing right to use any utilities facilities not conveyed to Grantee pursuant to this Deed or by previous deeds, but presently benefitting the Real Estate, including without limitation electric, telephone, gas and drainage facilities; including any right of the Real Estate to continue any existing drainage of storm water onto adjoining lands of Grantor.

3. Reservation of Access.

Grantor reserves rights of access to the Real Estate in any case in which additional remedial or corrective action provided in Section 5B(2) of this Deed is found to be necessary after the date of conveyance for purposes of performing such remedial or corrective action. Grantor shall provide reasonable notice to Grantee and any authorized occupant before exercising such rights of access, and shall avoid unreasonable interference with Grantee's activities in the event such access is required. Any monitoring wells, pumping wells or treatment facilities required in conjunction with additional remedial or corrective action found to be necessary after the date of conveyance shall be designed and installed so as to be as inconspicuous as practicable. Grantor shall notify Grantee in writing, in reasonable detail and in reasonable scale, of the nature of such future facilities and of the location of any such future facilities, using O'Hare International Airport coordinate system, where possible, and, at City's request, shall record such notice in the office of Recorder of Deeds of Cook County, Illinois. Grantor shall continue to own existing monitoring wells and other future facilities described above, which are personal property. Grantor shall be responsible for operation, maintenance, repair, replacement and removal of wells and other facilities. When existing monitoring wells or future facilities are no longer required in connection with a remedial or corrective action, Grantor shall close or abandon them in accordance with applicable law and regulation within a reasonable period. Grantee may request information concerning Grantor's continuing need for any particular facilities and may request Grantor's closure or abandonment of facilities at any time it appears such facilities are no longer required. If Grantor does not close or abandon facilities no longer required by Grantor in time to meet Grantee's schedule for use of the Real Estate, Grantee may itself close them in accordance with applicable laws and regulations, at

Grantee's expense. If necessary, Grantee may seek concurrence of USEPA and IEPA as set forth in Section B5 below, to closure or abandonment, if Grantor has not done so. Once closed or abandoned in accordance with applicable law or regulation, Government shall have no interest in such facilities. Grantor and Grantee shall record in the Office of Recorder of Deeds of Cook County, Illinois, one or more notices or amendments of prior notices showing which facilities are closed or abandoned from time to time. If Grantor fails to do so, Grantee may itself record such notice or amendment. Grantor shall, subject to the availability of appropriations therefor, repair any damage caused by its exercise of the above rights of access or compensate Grantee for such damage in lieu of repair.

4. Indemnity.

Grantor recognizes and acknowledges that Section 330 of the National Defense Authorization Act, 1993, P.L. 102-484, as amended, provides that the Secretary of Defense shall, in accordance with the provisions of that Section hold harmless, defend and indemnify in full the Grantee from and against any suit, claim, demand or action, liability, judgment, cost or other fee arising out of any claim for personal injury or property damage (including death, illness, or loss of or damage to property or economic loss) that results from, or is in any manner predicated upon, the release or threatened release of any hazardous substance or pollutant or contaminant as a result of Department of Defense activities at the Real Estate.

5. A. Asbestos; Underground Storage Tank.

1. Notices of Asbestos-Containing Materials ("ACM"). Grantee is warned that the Real Estate may be improved with buildings, facilities, and equipment that may contain ACM. Grantee covenants and agrees that in its use and occupancy of the Real Estate, it will comply with all applicable Federal, State, and local laws relating to asbestos. Grantee acknowledges that the Grantor assumes no liability for damages for personal injury, illness, disability, or death to the Grantee, or to any other person, including members of the general public, arising from or incident to the purchase, transportation, removal, handling, use, disposition, or other activity causing or leading to contact of any kind whatsoever with asbestos on the Real Estate, whether the Grantee has properly warned, or failed to properly warn, the persons injured.

2. Underground Storage Tank. Grantor advises Grantee that there is an existing underground storage tank identified as UST-24A located in Parcel 3 (described in Closing Note above) which will not be removed by Grantor from the Real Estate prior to the conveyance of the Real Estate to Grantee. The Grantee acknowledges it has had an opportunity to inspect all reports and data made available by Grantor to Grantee relating to the condition of the existing underground storage tank and has so informed itself as to the tank's condition prior to the date of this deed. Grantee acknowledges that the Grantor assumes no liability for claims for loss, liability or damage from any leakage from the tank occurring after the date of this Deed, and Grantee waives any such claims against Grantor. Further, Grantee acknowledges that ownership of the tank will be conveyed to it with this Deed and it may be held liable for claims by third parties against it for loss,

liability or damage from any leakage from the tank which occurs after the date of this Deed.

**B. Grantor Covenant.**

1. Pursuant to Section 120(h)(3)(A)(i) of the Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended (42 U.S.C. §9620(h)(3)(A)(i) ("CERCLA"), the following is notice of hazardous substances on the Real Estate and the description of remedial action taken concerning the Real Estate:

a. Grantor has made a complete search of its files and records. Exhibit F contains a table with the name of hazardous substances stored for one year or more, or known to have been released or disposed of, on the Real Estate; the quantity in kilograms and pounds of the hazardous substance stored for one year or more, or known to have been released, or disposed of, on the Real Estate; and the date(s) that such storage, release, or disposal took place.

b. A description of the remedial actions taken by Grantor on the Real Estate regarding hazardous substances is contained in Exhibit F.

2. Pursuant to Section 120(h)(3)(A)(ii) of CERCLA, Grantor covenants and warrants that (a) all remedial action necessary to protect human health and the environment with respect to hazardous substances remaining on the Real Estate has been taken before the date of this Deed, and (b) any additional remedial or corrective action found to be necessary after the date of this Deed for contamination on the Real Estate existing prior to the date of this Deed shall be conducted by the United States.

3. The foregoing covenants will not apply in any case in which any grantee of the Real Estate, or any part thereof, is a potentially responsible party with respect to the Real Estate before the date on which any grantee acquired an interest in the Real Estate (by lease, deed or otherwise) or is a potentially responsible party as a result of an act or omission affecting the Real Estate. For the purposes of these covenants, the phrase "remedial action necessary" shall not include any performance of or payment to Grantee for additional remedial action which is required only to facilitate use of the Real Estate for uses and activities prohibited by those environmental use restrictive covenants set forth in Sections 5C(2) and (3) below (as may be modified or released pursuant to Section 5C(5)). If Grantor is required to undertake or pay for additional remedial or corrective action pursuant to this covenant, Grantor shall only be required to take such action necessary to meet the clean up standards consistent with the uses permitted under the environmental use restrictive covenants set forth in Sections 5C(2) and (3) below, as may be modified or released pursuant to Section 5C(5) below, and which are protective of human health and the environment.

4. Grantor has reserved access to the Real Estate pursuant to Section 3 above in order to perform any remedial or corrective action as required by CERCLA 120(h)(3)(A)(ii).

**NOTICE: BREACH OF ANY ENVIRONMENTAL USE RESTRICTIVE COVENANT IN SECTION 5C BELOW MAY AFFECT THE FOREGOING WARRANTY.**

C. Environmental Use Restrictive Covenants. The covenants in this Section are being created to protect human health and the environment against residual contaminants as a component of the remedial action taken in Section 5B(1)(b) above.

1. FOST. Grantor issued a Finding of Suitability to Transfer the Real Estate in July 2003 ("FOST"). As part of the remedial action taken and condition of the FOST, Grantor has determined that the following restrictive covenants are necessary to ensure protection of human health and the environment. It is the intent of the Grantor and the Grantee that the following restrictive covenants in this section shall be binding on the property subject to the restrictive covenant and shall be deemed to run with the land in perpetuity, unless modified in accordance with the provisions contained herein. Upon any transfer of ownership by Grantee or subsequent owners of the property subject to a restrictive covenant, the transferor shall not have any liability or obligation accruing thereafter under this Deed with respect to the transferred property or interest.

2. Groundwater Restrictions. Grantee shall be prohibited from consuming underlying groundwater on the Real Estate or otherwise using such groundwater for irrigation or in any other manner that would cause unprotected exposure to such groundwater by humans. Such restrictions include any subsurface drilling of wells causing exposure to groundwater or the use for irrigation or consumption of groundwater. Restrictions exclude drilling and using monitoring wells to monitor or test quality of groundwater. In addition, the Grantee covenants not to disturb, move, damage, mar, tamper with, interfere with, obstruct, or impede existing monitoring wells located as shown on Exhibit E or any future monitoring wells, treatment facilities, piping and other facilities installed and being used in connection with additional remedial or corrective action provided for in Section 5B(2), provided Grantor has notified Grantee in writing of their location of the Real Estate as required by Section 1 above, if such facilities have not been closed or abandoned. Grantee may request Grantor to relocate any such facilities using procedures set forth in Section 5C(5) of this Deed and at Grantee's expense as provided therein.

3. Residential and Agricultural Use Restriction Against Real Estate. Grantee shall be prohibited from using the Real Estate as Residential Property (hereinafter defined) or Agricultural Property (hereinafter defined). The term "Residential Property" shall mean any real property that is used for habitation by individuals, or where children have the opportunity for exposure to contaminants through soil ingestion or inhalation at educational facilities, health care facilities, child care facilities or outdoor recreational areas. The term "Agricultural Property" shall mean any real property for which its present or post-remediation use is for growing agricultural crops for food or feed either as harvested crops, cover crops or as pasture. This definition includes, but is not limited to, properties used for confinement or grazing of livestock or poultry and for silviculture

operations. Excluded from this definition are farm residences, farm outbuildings and agrichemical facilities.

4. Army Parcel. Grantee and the United States of America, acting by and through the Secretary of the Army, United States Department of the Army (the "Army"), entered into an Offer of Purchase Agreement dated April 13, 2000 ("Army Contract"), relating to the real estate described on Exhibit D hereto (the "Army Parcel"). The Army has conveyed the portion identified as the "South Parcel" to Grantee, and the Army leased the portion of the Army Parcel described as "North Parcel" to Grantee under a Lease ("Army Lease") dated April 13, 2000, a short form of which was recorded on November 20, 2000, in the office of the Recorder of Deeds of Cook County, Illinois, as Doc. No. 00913695. The Army Lease provides, among other things, as follows: (i) the Army Lease shall terminate on the earlier of (a) forty years commencing on the execution of the Army Lease, subject to extension for an additional forty years, or (b) conveyance of the North Parcel to Grantee; (ii) Grantee shall not be obligated to pay any rent to the Army; and (iii) the Army shall have no right to terminate the Army Lease for any reason, including, without limitation, a default by Grantee. Concurrently herewith Grantee executed and recorded, in the Office of Recorder of Deeds of Cook County, Illinois, as Document No. 03239 03026, a Declaration of Restrictive Covenants against the South Parcel of the Army Parcel and against Grantee's leasehold interest in the North Parcel of the Army Parcel containing use restrictions comparable to those set forth in Section 5C(2) above.

5. Release of Environmental Use Restrictions. The Grantee hereby covenants that it shall comply with the use restrictions on the Real Estate enumerated in Sections 5C(2) and (3) above. Notwithstanding such use restrictions and the use restrictions on the Army Parcel, the Grantee may request Grantor to modify or release the use restrictions to conduct an otherwise prohibited activity, in whole or in part, subject to the notification and concurrence or approval of the Illinois Environmental Protection Agency ("IEPA") and United States Environmental Protection Agency ("USEPA"). If Grantee's request for modification or release is approved by Grantor, IEPA and USEPA, Grantor agrees to modify or release the covenant giving rise to such use restriction in whole or in part, as the case may be, upon the Grantee's request. Grantee hereby understands and agrees that all costs associated with releasing or modifying the use restrictions shall be the sole responsibility of Grantee, without any cost whatsoever to Grantor. Grantor shall deliver to Grantee in recordable form any such modification and release ("Covenant Release"). The execution of the Covenant Release by Grantor shall modify or release the restrictive covenant with respect to the Real Estate or the Army Parcel included in the Covenant Release.

Furthermore, Grantor agrees to execute the Covenant Release to modify or release the restrictive covenant or use restriction if either Grantee or Grantor has obtained the concurrence or approval of the IEPA and USEPA to such modification or release. Issuance by IEPA of a "no further remediation" letter pursuant to the IEPA voluntary Site Remediation Program (or the then functional equivalent issued by the IEPA) with respect to such portion of the Real Estate or the Army Parcel shall be deemed approval by IEPA.

Until such time as the Grantor shall designate another government agency to enforce these restrictions and grant approvals hereunder, such responsibility shall be vested in the Director of the Air Force Real Property Agency. For purposes of enforcing restrictions herein on use of Residential Property, Grantor shall not interpret the term "Residential Property" to prohibit hotels, extended stay or other short term overnight accommodations (i.e., continuous occupancy for not more than 60 nights).

PROVIDED, HOWEVER, the conveyance of the Real Estate is subject to the following:

1. Terms and conditions of the memorandum recorded as Document No. 96929261 as amended by Document No. 97434616 and Document No. 98053748 in the Office of the Recorder of Deeds for Cook County, Illinois.

2. Acts of the Grantee, rights of persons claiming by, through or under Grantee.

Pursuant to Section 2(e) of the Purchase Agreement, Grantor agreed to deliver interim or final quit claim deeds to portions of the Real Property (as defined in the Purchase Agreement) or to the entire Real Property, where the entire Real Property under the Purchase Agreement was not conveyed by one deed, in order to assure contiguity of all parcels conveyed or where leases to Grantor were terminated. In addition, a correction is required to the legal description of "Exception Parcel 1" (which is the Army Parcel) that is a part of legal descriptions included in the Purchase Agreement and Memorandum of Purchase Agreement, as last set forth in the Second Corrective Amendment, due to omission of language from the legal description. Therefore, Grantor hereby conveys and quit claims to Grantee the tract of real estate legally described on Exhibit H hereto. (NOTE: This tract of real estate includes Parcels 1, 2, 3 and 6 described in the Purchase Agreement [including that portion previously included in the terminated Airfield Lease (as defined in the Purchase Agreement) but excluding any portion of the real estate included in the Landfill Parcel].)

There are no third-party beneficiaries of this Deed.

Any notice, request, demand, instruction or other document to be given or served hereunder or under any document or instrument executed pursuant hereto shall be in writing and shall be delivered personally (including by messenger) or sent by United States registered or certified mail, return receipt requested, postage prepaid or by courier, postage prepaid and addressed to the parties at their respective addresses set forth below, and the same shall be effective upon receipt if delivered personally or by messenger or two business days after deposit in the mails if mailed. A party may change its address for receipt of notices by service of a notice of such change in accordance herewith.

If to Grantee:

Department of Aviation  
Attention: Commissioner  
O'Hare International Airport  
T-2 Mezzanine  
Chicago, IL 60666

with a copy to:

Corporation Counsel  
Room 600, City Hall  
121 N. LaSalle Street  
Chicago, IL 60602

If to Grantor or Department of the Air Force:

Director, Air Force Real Property Agency  
AFRPA/DR  
1700 N. Moore Street, Suite 2300  
Arlington, VA 22209-2802

with a copy to:

Chief Counsel  
Air Force Real Property Agency  
1700 N. Moore Street, Suite 2300  
Arlington, VA 22209-2802

Unless the context otherwise requires, when used in this Deed, the term "Grantor" includes the successors and assigns of Grantor, the term "Air Force" includes any successor entity to the Department of the Air Force or any successor to the Secretary of the Air Force, and the term "Grantee" includes the successor and assigns of Grantee.



IN TESTIMONY WHEREOF, witness the signature of the Grantor, the United States of America, acting by and through the Secretary of the Air Force, this 27<sup>th</sup> day of July, 2003.

UNITED STATES OF AMERICA

By: Joyce K. Frank  
JOYCE K. FRANK  
Deputy Director  
Air Force Real Property Agency

STATE OF VIRGINIA                    )  
  ) SS  
COUNTY OF ARLINGTON            )

The foregoing Quitclaim Deed was acknowledged before me this 27<sup>th</sup> day of July, 2003, by Joyce K. Frank, Deputy Director, Air Force Real Property Agency, on behalf of the United States of America.

Gwendolyn Miller  
Notary Public, State of Virginia  
Name: Gwendolyn Miller  
(Type or print legibly)

My Commission Expires June 30, 2005

AFFIX OR ATTACH YOUR NOTARY PUBLIC SEAL OF OFFICE TO THIS CERTIFICATE OF ACKNOWLEDGMENT AND TYPE OR PRINT YOUR NAME IMMEDIATELY BELOW THE NOTARY PUBLIC SIGNATURE LINE.

**EXHIBIT A**

**PARCEL A**

**PARCELS 1, 2 AND 3 EXCLUSIVE OF THE AIR FORCE LEASEHOLD**

THAT PART OF THE SOUTH ½ OF SECTION 32, TOWNSHIP 41 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN AND THAT PART OF SECTION 5, TOWNSHIP 40 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, LYING SOUTHERLY OF HIGGINS ROAD AND EASTERLY AND NORTHERLY OF A LINE BEGINNING AT A POINT IN THE SOUTHERLY LINE OF HIGGINS ROAD 33.00 FEET WEST OF THE NORTH AND SOUTH CENTER LINE OF SAID SECTION 32; THENCE SOUTH PARALLEL WITH THE CENTER LINE OF SAID SECTION 32 A DISTANCE OF 938.00 FEET; THENCE SOUTH 39 DEGREES 13 MINUTES WEST WITH REFERENCE TO THE CENTER LINE OF SAID SECTION 32 (ASSUMED HEREIN A NORTH AND SOUTH BASE LINE) A DISTANCE OF 1465.00 FEET; THENCE SOUTH 40 DEGREES 5 MINUTES 15 SECONDS EAST WITH REFERENCE TO SAID SECTION 32 CENTER LINE A DISTANCE OF 949.60 FEET; THENCE SOUTH 0 DEGREES 16 MINUTES 30 SECONDS EAST WITH REFERENCE TO SAID SECTION 32 CENTER LINE A DISTANCE OF 1945.20 FEET TO AN INTERSECTION WITH A FENCE LINE EXTENDED WEST; THENCE NORTH 89 DEGREES 43 MINUTES 30 SECONDS EAST WITH REFERENCE TO SAID SECTION 32 CENTER LINE AND ALONG THE AFORESAID FENCE LINE TO THE EAST LINE OF SAID SECTION 5, ALL IN COOK COUNTY, ILLINOIS;

EXCEPTING THE FOLLOWING PARCELS FROM THE ABOVE DESCRIBED TRACT OF LAND:

**EXCEPTION PARCEL 1**

THAT PART OF THE FOLLOWING DESCRIBED PROPERTY LYING WITHIN THE SOUTHEAST 1/4 OF SECTION 32 AFORESAID:

THAT PART OF THE SOUTHEAST 1/4 OF SECTION 32, TOWNSHIP 41 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN AND THE NORTHWEST 1/4 OF SECTION 4, TOWNSHIP 40 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS:

BEGINNING AT THE INTERSECTION OF THE WEST LINE OF THE EAST 33.00 FEET OF THE SOUTHEAST 1/4 OF SECTION 32 AFORESAID WITH THE SOUTH LINE OF SAID SOUTHEAST 1/4; THENCE SOUTH 87 DEGREES 38 MINUTES 27 SECONDS WEST, ALONG SAID SOUTH LINE, 20.44 FEET; THENCE SOUTH 11 DEGREES 16 MINUTES 33 SECONDS WEST 40.93 FEET; THENCE SOUTH 87 DEGREES 52 MINUTES 11 SECONDS WEST 218.83 FEET TO THE POINT OF INTERSECTION WITH THE SOUTHERLY EXTENSION OF A LINE DRAWN 280.00 FEET WEST OF AND PARALLEL WITH THE EAST LINE OF THE SOUTHEAST 1/4 OF SECTION 32 AFORESAID; THENCE

NORTH 0 DEGREES 7 MINUTES 12 SECONDS EAST, ALONG SAID SOUTHERLY EXTENSION, 38.94 FEET TO THE SOUTH LINE OF THE SOUTHWEST 1/4 OF SAID SECTION 32; THENCE NORTH 0 DEGREES 07 MINUTES 12 SECONDS EAST, ALONG THE AFORESAID LINE DRAWN 280.00 FEET WEST OF AND PARALLEL WITH THE EAST LINE OF THE SOUTHEAST 1/4 OF SECTION 32 AFORESAID, 840.04 FEET; THENCE NORTH 44 DEGREES 52 MINUTES 47 SECONDS WEST 127.28 FEET TO A POINT 370 FEET (MEASURED PERPENDICULARLY) WEST OF THE EAST LINE OF SAID SOUTHEAST 1/4; THENCE NORTH 89 DEGREES 52 MINUTES 48 SECONDS WEST 730 FEET TO THE WEST LINE OF THE EAST 1100 FEET OF THE SOUTHEAST 1/4 OF SECTION 32 AFORESAID; THENCE NORTH 0 DEGREES 07 MINUTES 12 SECONDS EAST ALONG SAID WEST LINE 545.10 FEET TO THE CENTER LINE OF HIGGINS ROAD; THENCE SOUTHEASTERLY ALONG SAID CENTER LINE, 468.74 FEET ALONG THE ARC OF A CIRCLE CONVEX NORTHEASTERLY, HAVING A RADIUS OF 8105.00 FEET AND WHOSE CHORD BEARS SOUTH 74 DEGREES 23 MINUTES 42 SECONDS EAST 468.67 FEET; THENCE CONTINUING ALONG THE CENTER LINE OF HIGGINS ROAD SOUTH 72 DEGREES 44 MINUTES 18 SECONDS EAST TANGENT TO THE ABOVE DESCRIBED CURVED LINE 678.48 FEET TO THE EAST LINE OF SAID SOUTHEAST 1/4; THENCE SOUTH 0 DEGREES 07 MINUTES 12 SECONDS WEST ALONG SAID EAST LINE 527.91 FEET; THENCE SOUTH 87 DEGREES 38 MINUTES 27 SECONDS WEST, ALONG A LINE DRAWN PARALLEL WITH THE SOUTH LINE OF SAID SOUTHEAST 1/4, 33.03 FEET TO THE WEST LINE OF THE EAST 33 FEET OF SAID SOUTHEAST 1/4; THENCE SOUTH 0 DEGREES 07 MINUTES 12 SECONDS WEST, ALONG SAID WEST LINE, 610 FEET TO THE HEREINABOVE DESCRIBED POINT OF BEGINNING, IN COOK COUNTY, ILLINOIS.

#### EXCEPTION PARCEL 2

THE SOUTH 610.00 FEET OF THE EAST 33.00 FEET OF THE SOUTHEAST 1/4 OF SECTION 32 AFORESAID, IN COOK COUNTY, ILLINOIS.

#### EXCEPTION PARCEL 3

CONVEYED TO CITY OF CHICAGO BY DEED DOCUMENT NO. 89499209, RECORDED OCTOBER 20, 1989

SITUATED IN THE STATE OF ILLINOIS, COUNTY OF COOK, PART OF THE NORTHEAST 1/4 AND THE SOUTHEAST 1/4 OF SECTION 5, TOWNSHIP 40 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF THE NORTHEAST 1/4 OF SAID SECTION 5; THENCE ALONG THE EAST LINE OF THE SOUTHEAST 1/4 OF SAID SECTION 5, SOUTH 00 DEGREES 03 MINUTES 08 SECONDS EAST, 102.48 FEET; THENCE SOUTH 89 DEGREES 46 MINUTES 16 SECONDS WEST, 58.68 FEET; THENCE NORTH 00 DEGREES 02 MINUTES 56 SECONDS EAST, 1904.65 FEET; THENCE NORTH 89 DEGREES 08 MINUTES 46 SECONDS EAST, 30.11 FEET, TO THE POINT OF

INTERSECTION WITH THE EAST LINE OF THE NORTHEAST 1/4 OF SECTION 5 AFORESAID; THENCE ALONG THE EAST LINE OF SAID NORTHEAST 1/4, SOUTH 00 DEGREES 51 MINUTES 14 SECONDS EAST, 1802.58 FEET TO THE POINT OF BEGINNING.

#### EXCEPTION PARCEL 4

THAT PART OF THE SOUTHWEST 1/4 OF SECTION 32, TOWNSHIP 41 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN AND THAT PART OF THE NORTH 1/2 OF SECTION 5, TOWNSHIP 40 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, BOUNDED AND DESCRIBED AS FOLLOWS:

COMMENCING AT THE POINT OF INTERSECTION OF A LINE 33.00 FEET WEST OF AND PARALLEL WITH THE EAST LINE OF THE SOUTHWEST 1/4 OF SAID SECTION 32 AND WITH THE SOUTHWESTERLY LINE OF HIGGINS ROAD, BEING A LINE 33.00 FEET SOUTHWESTERLY OF AND PARALLEL WITH THE CENTER LINE OF SAID HIGGINS ROAD; THENCE SOUTH 0 DEGREES 02 MINUTES 46 SECONDS WEST, 938.00 FEET ALONG SAID LINE 33.00 FEET WEST OF AND PARALLEL WITH THE EAST LINE OF THE SOUTHWEST 1/4 OF SAID SECTION 32 TO THE POINT OF BEGINNING; THENCE SOUTH 39 DEGREES 15 MINUTES 46 SECONDS WEST, 1465.00 FEET; THENCE SOUTH 40 DEGREES 02 MINUTES 29 SECONDS EAST, 97.19 FEET; THENCE NORTH 39 DEGREES 36 MINUTES 32 SECONDS EAST, 1356.00 FEET TO SAID LINE 33.00 FEET WEST OF AND PARALLEL WITH THE EAST LINE OF THE SOUTHWEST 1/4 OF SECTION 32; THENCE NORTH 0 DEGREES 02 MINUTES 46 SECONDS EAST, 164.00 FEET ALONG SAID PARALLEL LINE TO THE HEREINABOVE DESIGNATED POINT OF BEGINNING, IN COOK COUNTY, ILLINOIS.

ALSO EXCEPTING OUT THE FOLLOWING PARCEL WHICH WAS TRANSFERRED BY DEED RECORDED AUGUST 21, 1997 AS DOCUMENT NUMBER 97615683:

THAT PART OF THE NORTHEAST 1/4 OF SECTION 5, TOWNSHIP 40 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN DESCRIBED AS FOLLOWS: COMMENCING AT THE SOUTHEAST CORNER OF THE NORTHEAST 1/4 OF SAID SECTION 5; THENCE SOUTH 0 DEGREES 03 MINUTES 08 SECONDS EAST, ALONG THE EAST LINE OF THE SOUTHEAST 1/4 OF SAID SECTION 5, A DISTANCE OF 102.48 FEET; THENCE SOUTH 89 DEGREES 46 MINUTES 16 SECONDS WEST 58.68 FEET; THENCE NORTH 0 DEGREES 02 MINUTES 56 SECONDS EAST ALONG THE WEST LINE OF LAND CONVEYED BY DEED RECORDED OCTOBER 20, 1989 AS DOCUMENT NO. 89499209, A DISTANCE OF 443.12 FEET TO THE POINT OF BEGINNING OF THE HEREINABOVE DESCRIBED TRACT; THENCE NORTH 0 DEGREES 02 MINUTES 56 SECONDS EAST 1461.53 FEET TO THE NORTHWEST CORNER OF THE AFORESAID LAND CONVEYED BY DEED RECORDED AS DOCUMENT NO. 89499209; THENCE NORTH 89 DEGREES 08 MINUTES 46 SECONDS EAST 30.11 FEET TO THE POINT OF INTERSECTION WITH THE EAST LINE OF THE NORTHEAST 1/4 OF SAID SECTION 5, SAID POINT BEING 1802.58 FEET NORTH OF THE SOUTHEAST CORNER OF THE NORTHEAST 1/4 OF SAID SECTION 5; THENCE NORTH 0 DEGREES 51 MINUTES 14

SECONDS WEST, ALONG THE EAST LINE OF THE NORTHEAST 1/4 OF SAID SECTION 5, A DISTANCE OF 135.37 FEET; THENCE NORTH 87 DEGREES 17 MINUTES 59 SECONDS WEST 182.45 FEET; THENCE SOUTH 33 DEGREES 33 MINUTES 40 SECONDS WEST 135.98 FEET; THENCE SOUTH 0 DEGREES 09 MINUTES 12 SECONDS WEST 489.93 FEET; THENCE SOUTH 89 DEGREES 25 MINUTES 44 SECONDS WEST 37.03 FEET; THENCE SOUTH 0 DEGREES 00 MINUTES 00 SECONDS EAST 531.19 FEET; THENCE SOUTH 89 DEGREES 15 MINUTES 04 SECONDS EAST 117.98 FEET; THENCE SOUTH 40 DEGREES 07 MINUTES 01 SECONDS EAST 29.44 FEET; THENCE SOUTH 1 DEGREE 04 MINUTES 15 SECONDS EAST 452.37 FEET; THENCE NORTH 87 DEGREES 31 MINUTES 57 SECONDS EAST 121.13 FEET TO THE HEREINABOVE DESCRIBED POINT OF BEGINNING, IN COOK COUNTY, ILLINOIS.

AREA = 339,534.5 SQ. FT. OR 7.79464 ACRES

AND EXCEPTING OUT THAT PARCEL DESCRIBED ON EXHIBIT C TO THIS DEED.

**EXHIBIT B**

**PARCEL 6A**

THAT PART OF THE SOUTHWEST 1/4 OF SECTION 32, TOWNSHIP 41 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN AND THAT PART OF THE NORTH 1/2 OF SECTION 5, TOWNSHIP 40 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, BOUNDED AND DESCRIBED AS FOLLOWS:

COMMENCING AT THE POINT OF INTERSECTION OF A LINE 33.00 FEET WEST OF AND PARALLEL WITH THE EAST LINE OF THE SOUTHWEST 1/4 OF SAID SECTION 32 AND WITH THE SOUTHWESTERLY LINE OF HIGGINS ROAD, BEING A LINE 33.00 FEET SOUTHWESTERLY OF AND PARALLEL WITH THE CENTER LINE OF SAID HIGGINS ROAD; THENCE SOUTH 0 DEGREES 02 MINUTES 46 SECONDS WEST, 938.00 FEET ALONG SAID LINE 33.00 FEET WEST OF AND PARALLEL WITH THE EAST LINE OF THE SOUTHWEST 1/4 OF SAID SECTION 32 TO THE POINT OF BEGINNING; THENCE SOUTH 39 DEGREES 15 MINUTES 46 SECONDS WEST, 1465.00 FEET; THENCE SOUTH 40 DEGREES 02 MINUTES 29 SECONDS EAST, 97.19 FEET; THENCE NORTH 39 DEGREES 36 MINUTES 32 SECONDS EAST, 1356.00 FEET TO SAID LINE 33.00 FEET WEST OF AND PARALLEL WITH THE EAST LINE OF THE SOUTHWEST 1/4 OF SECTION 32; THENCE NORTH 0 DEGREES 02 MINUTES 46 SECONDS EAST, 164.00 FEET ALONG SAID PARALLEL LINE TO THE HEREINABOVE DESIGNATED POINT OF BEGINNING, IN COOK COUNTY, ILLINOIS.

EXCEPT THAT PROPERTY DESCRIBED ON EXHIBIT C.

## **EXHIBIT C**

### **LANDFILL LEGAL DESCRIPTION**

A PARCEL OF LAND IN THE SOUTH 1/2 OF SECTION 32, TOWNSHIP 41 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, BEING DESCRIBED IN ACCORDANCE WITH THE CHICAGO O'HARE INTERNATIONAL AIRPORT RECTANGULAR SYSTEM AS DESCRIBED AND MAPPED IN A CITY COUNCIL ORDINANCE PUBLISHED IN PAGES 5777 TO 5784, INCLUSIVE. THE BASIC POINT OF SAID SYSTEM IS DESCRIBED IN SECTION ONE OF SAID ORDINANCE. THE AFORESAID PARCEL IS DESCRIBED AS FOLLOWS:

COMMENCING AT THE CENTER OF SECTION 32 AFORESAID, SAID POINT HAVING A COORDINATE VALUE OF SOUTH 12,216.89 FEET AND EAST 22,501.87 FEET; THENCE SOUTH 0 DEGREES 02 MINUTES 46 SECONDS WEST, ALONG THE NORTH AND SOUTH CENTER LINE OF SAID SECTION 32 A DISTANCE OF 1,706.42 FEET TO THE POINT OF BEGINNING OF THE PARCEL HEREIN DESCRIBED, SAID POINT HAVING A COORDINATE VALUE OF SOUTH 13,923.31 FEET AND EAST 22,500.50 FEET; THENCE NORTH 89 DEGREES 37 MINUTES 23 SECONDS EAST, 54.90 FEET TO A POINT HAVING A COORDINATE VALUE OF SOUTH 13,922.94 FEET AND EAST 22,555.39 FEET; THENCE SOUTH 0 DEGREES 00 MINUTES 00 SECONDS EAST, 320.16 FEET TO A POINT HAVING A COORDINATE VALUE OF SOUTH 14,243.11 FEET AND EAST 22,555.39 FEET; THENCE SOUTH 39 DEGREES 41 MINUTES 34 SECONDS WEST, 325.97 FEET TO A POINT HAVING A COORDINATE VALUE OF SOUTH 14,493.94 FEET AND EAST 22,347.20 FEET; THENCE NORTH 49 DEGREES 57 MINUTES 12 SECONDS WEST, 256.47 FEET TO A POINT HAVING A COORDINATE VALUE OF SOUTH 14,328.93 FEET AND EAST 22,150.87 FEET; THENCE NORTH 39 DEGREES 10 MINUTES 00 SECONDS EAST, 523.01 FEET TO A POINT HAVING A COORDINATE VALUE OF SOUTH 13,923.43 FEET AND EAST 22,481.19 FEET; THENCE NORTH 89 DEGREES 37 MINUTES 23 SECONDS EAST, 19.31 FEET TO THE HEREINABOVE DESIGNATED POINT OF BEGINNING, IN COOK COUNTY, ILLINOIS.

AREA = 121,519.3 SQUARE FEET OR 2.7897 ACRES.

## **EXHIBIT D**

### **ARMY PARCEL**

#### **PARCEL A: (SOUTH PARCEL)**

THAT PART OF THE SOUTHEAST 1/4 OF SECTION 32, TOWNSHIP 41 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN AND THE NORTHWEST 1/4 OF SECTION 4, TOWNSHIP 40 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS:

BEGINNING AT THE INTERSECTION OF THE WEST LINE OF THE EAST 33.00 FEET OF THE SOUTHEAST 1/4 OF SECTION 32 AFORESAID WITH THE SOUTH LINE OF SAID SOUTHEAST 1/4; THENCE SOUTH 87 DEGREES 38 MINUTES 27 SECONDS WEST, ALONG SAID SOUTH LINE, 20.44 FEET; THENCE SOUTH 11 DEGREES 16 MINUTES 33 SECONDS WEST, 40.93 FEET; THENCE SOUTH 87 DEGREES 52 MINUTES 11 SECONDS WEST, 218.83 FEET TO THE POINT OF INTERSECTION WITH THE SOUTHERLY EXTENSION OF A LINE DRAWN 280.00 FEET WEST OF AND PARALLEL WITH THE EAST LINE OF THE SOUTHEAST 1/4 OF SECTION 32 AFORESAID; THENCE NORTH 0 DEGREES 7 MINUTES 12 SECONDS EAST, ALONG SAID SOUTHERLY EXTENSION, 38.94 FEET TO A POINT ON THE SOUTH LINE OF THE SOUTHEAST 1/4 OF SECTION 32 AFORESAID; THENCE NORTH 0 DEGREES 7 MINUTES 12 SECONDS EAST, ALONG THE AFORESAID LINE DRAWN 280.00 FEET WEST OF AND PARALLEL WITH THE EAST LINE OF THE SOUTHEAST 1/4 OF SECTION 32 AFORESAID, 840.04 FEET; THENCE NORTH 44 DEGREES 52 MINUTES 47 SECONDS WEST, 127.28 FEET TO A POINT 370.00 FEET (MEASURED PERPENDICULARLY) WEST OF THE EAST LINE OF SAID SOUTHEAST 1/4; THENCE SOUTH 89 DEGREES 52 MINUTES 48 SECONDS WEST, 730.00 FEET TO THE WEST LINE OF THE EAST 1100.00 FEET OF THE SOUTHEAST 1/4 OF SECTION 32 AFORESAID; THENCE NORTH 0 DEGREES 07 MINUTES 12 SECONDS EAST, ALONG SAID WEST LINE, 545.10 FEET TO THE CENTER LINE OF HIGGINS ROAD; THENCE SOUTHEASTERLY ALONG SAID CENTER LINE, 468.74 FEET ALONG THE ARC OF A CIRCLE CONVEX NORTHEASTERLY, HAVING A RADIUS OF 8105.00 FEET AND WHOSE CHORD BEARS SOUTH 74 DEGREES 23 MINUTES 42 SECONDS EAST, 468.67 FEET; THENCE CONTINUING ALONG THE CENTER LINE OF HIGGINS ROAD SOUTH 72 DEGREES 44 MINUTES 18 SECONDS EAST TANGENT TO THE ABOVE DESCRIBED CURVED LINE, 678.48 FEET TO THE EAST LINE OF SAID SOUTHEAST 1/4; THENCE SOUTH 0 DEGREES 07 MINUTES 12 SECONDS WEST, ALONG SAID EAST LINE, 527.91 FEET; THENCE SOUTH 87 DEGREES 38 MINUTES 27 SECONDS WEST, ALONG A LINE DRAWN PARALLEL WITH THE SOUTH LINE OF SAID SOUTHEAST 1/4, A DISTANCE OF 33.03 FEET TO THE WEST LINE OF THE EAST 33.00 FEET OF SAID SOUTHEAST 1/4; THENCE SOUTH 0 DEGREES 07 MINUTES 12 SECONDS WEST, ALONG SAID WEST LINE, 610.00 FEET TO THE HEREINABOVE DESCRIBED POINT OF BEGINNING, IN COOK COUNTY, ILLINOIS.

AREA = 677,859.0 SQUARE FEET OR 15.5615 ACRES.



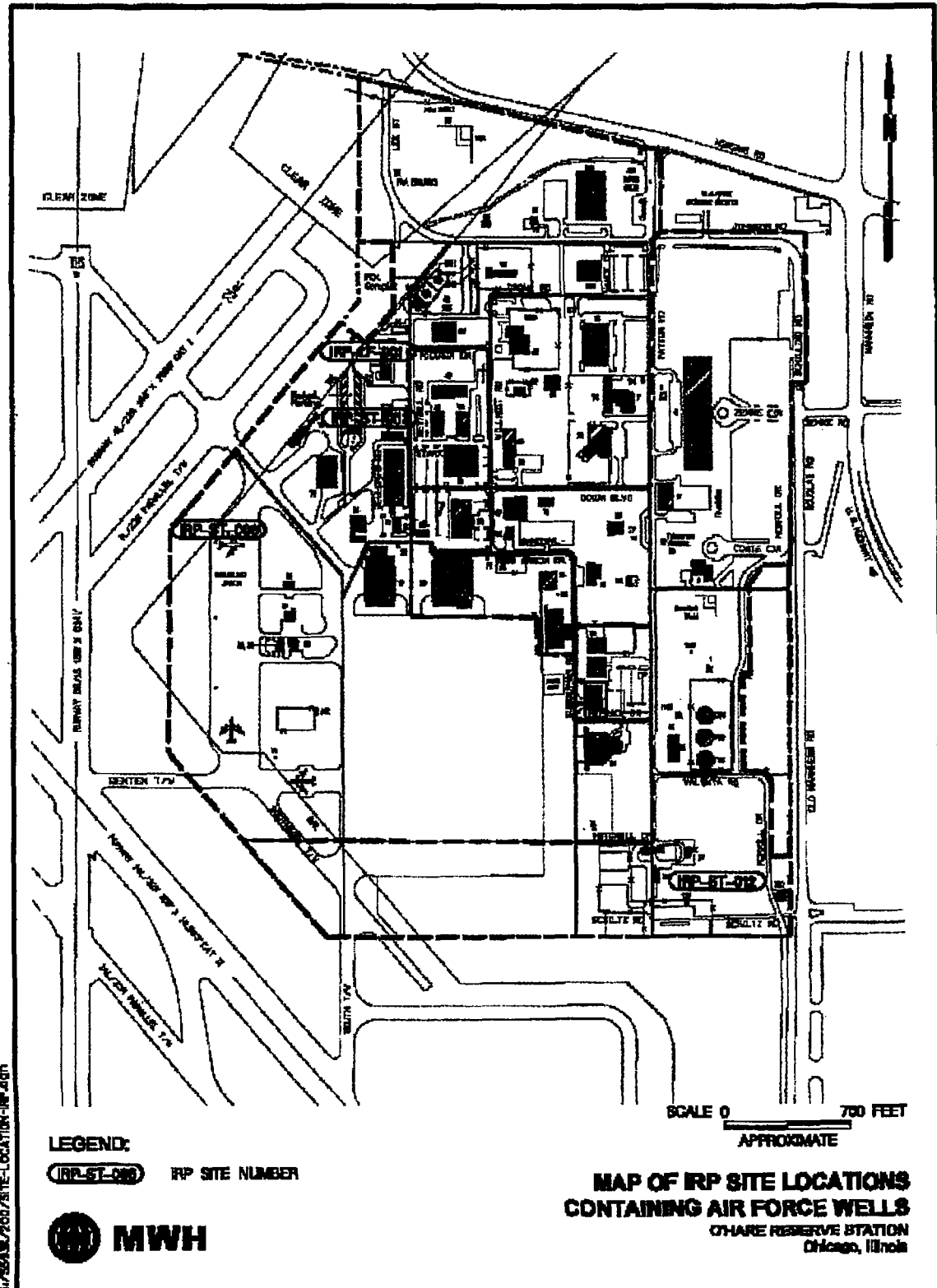
**PARCEL B: (NORTH PARCEL)**

THAT PART OF THE SOUTHEAST 1/4 OF SECTION 32, TOWNSHIP 41 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN AND THE NORTHWEST 1/4 OF SECTION 4, TOWNSHIP 40 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS:

BEGINNING AT THE INTERSECTION OF THE WEST LINE OF THE EAST 33.00 FEET OF THE SOUTHEAST 1/4 OF SECTION 32 AFORESAID WITH THE SOUTH LINE OF SAID SOUTHEAST 1/4; THENCE SOUTH 87 DEGREES 38 MINUTES 27 SECONDS WEST, ALONG SAID SOUTH LINE, 20.44 FEET; THENCE SOUTH 11 DEGREES 16 MINUTES 33 SECONDS WEST 40.93 FEET; THENCE SOUTH 87 DEGREES 52 MINUTES 11 SECONDS WEST, 218.83 FEET TO THE POINT OF INTERSECTION WITH THE SOUTHERLY EXTENSION OF A LINE DRAWN 280.00 FEET WEST OF AND PARALLEL WITH THE EAST LINE OF THE SOUTHEAST 1/4 OF SECTION 32 AFORESAID; THENCE NORTH 0 DEGREES 7 MINUTES 12 SECONDS EAST, ALONG SAID SOUTHERLY EXTENSION, 38.94 FEET TO A POINT ON THE SOUTH LINE OF THE SOUTHEAST 1/4 OF SECTION 32 AFORESAID; THENCE NORTH 0 DEGREES 7 MINUTES 12 SECONDS EAST, ALONG THE AFORESAID LINE DRAWN 280.00 FEET WEST OF AND PARALLEL WITH THE EAST LINE OF THE SOUTHEAST 1/4 OF SECTION 32 AFORESAID, 840.04 FEET; THENCE NORTH 44 DEGREES 52 MINUTES 47 SECONDS WEST, 127.28 FEET TO A POINT 370 FEET (MEASURED PERPENDICULARLY) WEST OF THE EAST LINE OF SAID SOUTHEAST 1/4; THENCE SOUTH 89 DEGREES 52 MINUTES 48 SECONDS EAST, 370.00 FEET TO THE POINT OF INTERSECTION WITH THE EAST LINE OF THE SOUTHEAST 1/4 OF SECTION 32 AFORESAID, SAID POINT BEING 220.00 FEET (AS MEASURED ALONG SAID EAST LINE) SOUTH OF THE ITS POINT OF INTERSECTION WITH THE CENTER LINE OF HIGGINS ROAD; THENCE SOUTH 0 DEGREES 07 MINUTES 12 SECONDS WEST ALONG SAID EAST LINE, 307.91 FEET; THENCE SOUTH 87 DEGREES 38 MINUTES 27 SECONDS WEST, ALONG A LINE DRAWN PARALLEL WITH THE SOUTH LINE OF SAID SOUTHEAST 1/4, A DISTANCE OF 33.03 FEET TO THE WEST LINE OF THE EAST 33.00 FEET OF SAID SOUTHEAST 1/4; THENCE SOUTH 0 DEGREES 07 MINUTES 12 SECONDS WEST, ALONG SAID WEST LINE, 610.00 FEET TO THE HEREINABOVE DESCRIBED POINT OF BEGINNING, IN COOK COUNTY, ILLINOIS.

AREA = 251,401.8 SQUARE FEET OR 5.7714 ACRES.

# EXHIBIT E



# LOCATION OF EXISTING MONITORING WELLS

Well Number	IRP Site Number	Year Installed	Coordinates <sup>(1)</sup>		Surface Elevation	TOC Elevation
			N	E		
TWP02	IRP-ST-002	1998	-14924.89	22301.28	646.26	652.02
TWP03	IRP-ST-002	1998	-14812.94	22441.48	646.72	651.27
TWP04	IRP-ST-002	1998	-15004.29	22433.25	646.21	647.49
TWP05	IRP-ST-002	1998	-15124.86	22377.52	646.57	650.02
TWP11	IRP-ST-012	1998	-17659.23	24138.26	642.61	645.61
TWP12	IRP-ST-012	1998	-17759.54	24145.37	641.93	644.88
LMW-01A	IRP-LF-001	1995	-13890.11	22510.23	643.7	643.2
LMW-01B	IRP-LF-001	1995	-14048.99	22572.62	643.75	643.2
LMW-05B	IRP-LF-001	1995	-14694.93	22105.14	649.65	648.85
MW-1A	IRP-LF-001	1984	-13890.11	22510.23	642.2	642.88
MW-1B	IRP-LF-001	1984	-14343.03	22502.39	643.1	643.48
MW-1C	IRP-LF-001	1984	-14993.5	21857.87	645	645.24
MW-1F	IRP-LF-001	1987	-14704.95	22115.63	649.48	651.64
MW-1G	IRP-LF-001	1987	-14490.59	22159.19	645.47	647.6
LF-1-03	IRP-LF-001	1991	-14460.92	22422.25	646.65	648.51
LF-1-03A	IRP-LF-001	1991	-14468.59	22415.15	646.65	649.11
SPOL-01	IRP-ST-012	1991	-17536.25	24197.78	643.55	646.13
SPOL-02	IRP-ST-012	1991	-17538.1	24207.85	643.72	645.81
SPOL-03	IRP-ST-012	1991	-17528.81	24385.4	643.39	645.81
SPOL-04	IRP-ST-012	1991	-17710.39	24362.55	643.26	645.55
MW01	IRP-ST-006	1996	-15553.96	21569.75	644.8	644.33
MW02	IRP-ST-006	1996	-15586.43	21568.86	644.73	644.31
MW03	IRP-ST-006	1996	-15603.69	21603.48	645.52	645.15
MW04	IRP-ST-006	1996	-15581.5	21629.77	646.09	645.76
MW05	IRP-ST-006	1996	-15551.4	21542.85	644.34	644.08
MW06	IRP-ST-006	1996	-15537.51	21595.26	644.84	644.49

(1) O'Hare coordinates

(2) Note attached map with approximate locations of Sites within which wells are located.

**EXHIBIT F****NOTICE OF HAZARDOUS SUBSTANCES RELEASED and REMEDIAL ACTIONS  
Former O'Hare Air Reserve Station  
Chicago, Illinois**

Notice is hereby provided of hazardous substances that are known to have been released within the surveyed property at the Former O'Hare Air Reserve Station and the dates the release took place. The information contained in this notice is required under the authority of regulations promulgated under section 120(h) of the Comprehensive Environmental Response, Liability, and Compensation Act (CERCLA or "Superfund") 42 U.S.C. section 9620(h).

Product Released	Date	Approximate Quantity	Location	Response	Remarks
Sulfuric Acid	29-Sep-88	3 quarts	West Side of Bldg 4	Yes, cleaned with sand.	
Gasoline	01-Jan-91, 01-Oct-92, 22-Aug-91, 14-Aug-92, 25-April-93, 09-May-94	2.33 gallons	Bldg 4 Parking Lot, Bldg 32 Parking Lot, Bldg 60, Bldg 63 Apron, Stall 3 east of Bldg 63	Yes, recovered with adsorbent material.	No fuel entered the drainage system
Sealing Compound (cumene hydroperoxide)	07-Oct-91	0.625 pounds	East Side of Bldg 32 loading dock	Yes, contained within packing box, containerized and disposed properly.	
Chlorinated Solvent	29-Mar-93	0.5 gallons	Northeast side of Bldg 32	Yes, spill was contained and cleaned with adsorbent material.	
Aircraft Surface Cleaning Compound (NSN6850-01-184-3182)	16-Aug-93	1 gallon	Bldg 32 Loading Dock	Yes, spill was cleaned with adsorbent material.	
Polyurethane	21-Mar-94	1 gallon	Bldg 32 Loading Dock	Yes, spill was cleaned with adsorbent material.	Material did not enter the sewer drain
Hydraulic Fluid (Dexron II)	09-Aug-91, 09-Nov-91	5 gallon	Bldg 57, Bldg 63	Yes, spill was cleaned with adsorbent material.	

3% AFFF Concentrate	21-Aug-94	45 ounces	Bldg 63	Yes, product was recovered for reuse.	
AFFF	30-Sep-94, 28-Nov-94	10.3 gallons	Bldg 63	Yes, spill was cleaned with adsorbent material or material was washed into an oil/water separator.	
Diesel Fuel	05-Feb-95, 06-Feb-95	2.1 gallons	Bldg 63	Yes, spill was cleaned with adsorbent material.	
Fuel Oil	09-Jan-90	20 gallons	South of Bldg 66 near South POL	Yes, this spill is ISEDA No. 890053 on IEP LUST database. This site is associated w/ IRP-ST-14.	
#2 Fuel Oil	21-Sep-90	60 gallons	Bldg 66	Yes, contracted cleanup. This spill is ISEDA No. 902721 on IEPA LUST database. This site is associated w/ IRP-ST-14.	
JP-4 Fuel	1943-1993	greater than 122 gallons	South POL Area	Yes, this site was designated as IRP-ST-12 and approximately 9,400 cy of soil were treated with thermal desorption. Smaller spills were cleaned up with adsorbent materials.	
Trichloroethene	Unknown	Unknown	North of Bldg 4	Yes, this site was designated as IRP-SS-019. Removal actions are detailed in the SS-019 CCR (MWH, 2002).  March	
Trans-1,2-Dichloroethene	Unknown	Unknown	North of Bldg 4	Yes, this site was designated as IRP-SS-019. Removal actions are detailed in the SS-019 CCR (MWH, March 2002).	
Cis-1,2-Dichloroethene	Unknown	Unknown	North of Bldg 4	Yes, this site was designated as IRP-SS-019. Removal actions are detailed in the SS-019 CCR (MWH, March 2002).	
Vinyl Chloride	Unknown	Unknown	North of Bldg 4	Yes, this site was designated as IRP-SS-019. Removal actions are detailed in the SS-019 CCR (MWH, March 2002).	
1,1-Dichloroethene	Unknown	Unknown	North of Bldg 4	Yes, this site was designated as IRP-SS-019. Removal actions are detailed in the SS-019 CCR (MWH, March 2002).	

1,1-Dichloroethane	Unknown	Unknown	North of Bldg 4	Yes, this site was designated as IRP-SS-019. Removal actions are detailed in the SS-019 CCR (MWH, March 2002).	
1,2-Dichloroethane	Unknown	Unknown	North of Bldg 4	Yes, this site was designated as IRP-SS-019. Removal actions are detailed in the SS-019 CCR (MWH, March 2002).	
Chloroethane	Unknown	Unknown	North of Bldg 4	Yes, this site was designated as IRP-SS-019. Removal actions are detailed in the SS-019 CCR (MWH, March 2002).	
Benzo(a)pyrene	Unknown	Unknown	North of Bldg 4, North of Bldg 12, South of Bldg 1	Yes, this site was designated as IRP-SS-019. Removal actions are detailed in the SS-019 CCR (MWH, March 2002).	
Benzo(b)fluoranthene	Unknown	Unknown	North of Bldg 4, North of Bldg 12, South of Bldg 1	Yes, the site near Bldg 4 was designated as IRP-OTH-016. Removal actions are detailed in the OTH-16 and ST-002 CCR (MW, February 200). The site north of Bldg 12 and South of Bldg 1 were designated IRP-SA-017. Removal actions are detailed in the SA-017, AST-1702, and IN-018 CCR (MWH, March 2002).	
Benzo(a)anthracene	Unknown	Unknown	North of Bldg 4, North of Bldg 12, South of Bldg 1	Yes, the site near Bldg 4 was designated as IRP-OTH-016. Removal actions are detailed in the OTH-16 and ST-002 CCR (MW, February 200). The site north of Bldg 12 and South of Bldg 1 were designated IRP-SA-017. Removal actions are detailed in the SA-017, AST-1702, and IN-018 CCR (MWH, March 2002).	
Chrysene	Unknown	Unknown	North of Bldg 4, North of Bldg 12, South of Bldg 1	Yes, the site near Bldg 4 was designated as IRP-OTH-016. Removal actions are detailed in the OTH-16 and ST-002 CCR (MW, February 200). The site north of Bldg 12 and South of Bldg 1 were designated IRP-SA-017. Removal actions are detailed in the SA-017, AST-1702, and IN-018 CCR (MWH, March 2002).	

Dibenzo(a,h)anthracene	Unknown	Unknown	North of Bldg 4	Yes, the site near Bldg 4 was designated as IRP-OTH-016. Removal actions are detailed in the OTH-16 and ST-002 CCR (MW, February 200). The site north of Bldg 12 and South of Bldg 1 were designated IRP-SA-017. Removal actions are detailed in the SA-017, AST-1702, and IN-018 CCR (MWH, March 2002).	
Indeno(1,2,3-cd)pyrene	Unknown	Unknown	North of Bldg 4, North of Bldg 12, South of Bldg 1	Yes, the site near Bldg 4 was designated as IRP-OTH-016. Removal actions are detailed in the OTH-16 and ST-002 CCR (MW, February 200). The site north of Bldg 12 and South of Bldg 1 were designated IRP-SA-017. Removal actions are detailed in the SA-017, AST-1702, and IN-018 CCR (MWH, March 2002).	
Lead	Unknown	Unknown	Northeast of Bldg 12	Yes, the site was designated IRP-ST-015. Removal actions are detailed in the SA-017, AST-1702, and IN-018 CCR (MWH, March 2002).	
Product Released	Date	Approximate Quantity	Location	Response	Remarks
Ethylene Glycol	24-Mar-95	0.5 gallons	Bldg 500 Parking Lot	Yes, spill was contained and cleaned w/adsorbent materials.	
Mineral Oil	27-May-93	10 gallons	Bldg 24	Yes, spill was contained and cleaned w/adsorbent materials.	
Diesel Fuel	19-Aug-96, 05-Oct-94, 02-Mar-96, 13-Jun-89, 25-May-93, 06-Apr-95, 09-Jun-91, 19-May-95	887 gallons	Bldg 24, Bldg 44, Bldg 51, Bldg 51 Parking Lot, Bldg 55, Flightline Spot C-6, Vehicle fill station north of Bldg 66	Yes, spill was cleaned w/adsorbent materials. Documentation for the Vehicle fill station does not indicate how the spill was cleaned. This spill is IESDA No. 901989 on the IEPA LUST database.	
Gasoline	02-Oct-94, 21-Oct-94, 27-Jul-93, 16-Nov-91, 11-May-93	3.6 gallons	Bldg 26 Parking Lot, Bldg 44, Bldg 10 Parking Lot, Bldg 40, Bldg 50, Flightline Spot C-4	Yes, spill was cleaned w/adsorbent materials.	

JP-4 Fuel	Various dates from 1988 to 1994	83,157 gallons	West Ramp near Bldg 70, Refueling Park, West POL, West Ramp Defueling Pit, West Ramp Spot A-9; A-10; A-11, Flightline Spot A-10, Defueling UST, Bldg 24, Various Flightline Locations, Bldg 64, Bldg 65	Yes, ~1.5 cy of contaminated soil was excavated at the West Ramp and remediated. The West Ramp and Defueling UST were designated as IRP-ST-06 and ~1,230 cy of contaminated soil were excavated and disposed. The West POL was designated as IRP-ST-002. Removal actions are detailed in the OTH-16 and ST-002 CCR (MW, February 200). Small spills were cleaned w/adsorbent materials or in a fuel/oil recovery system.	
JP-8 Fuel	Various dates from 1995 to 1996	5,233 gallons	Refueling Park, POL truck parking yard, Bldg 44 Fuel Farm, North POL, Fuel Pit #10 & #12 and Underground Fuel Station D1 at West Ramp, Various Flightline Areas, Bldg 64, Bldg 65	Yes, spill was cleaned w/adsorbent materials. Documentation from the Fuel Farm spill does not indicate how or if the spill was cleaned up. The spill at Bldg 65 entered the drains connected to an oil/water separator. The fuel was then pumped out and recovered. The spill is ISEDA No. 951727 on the IEPA LUST database.	
Motor Oil	Prior to 1970	Unknown	North of former Bldg 5	Contaminated soil may have been removed during demolition of Bldg 5. This site was designated as IRP-OT-09.	
Battery Acid	06-Jun-95	1 pint	Bldg 43	Yes, spill was neutralized and cleaned w/adsorbent materials.	
Polyamide Epoxy	12-Jun-91	0.5 gallons	Bldg 10	Yes, spill was cleaned with adsorbent materials.	
Waste Oil	5-Oct-93, 18-Oct-95	10.125 gallons	Bldg 55, Flightline Spot B-6	Yes, spill was contained and cleaned w/adsorbent materials	
Foam/Water Mixture	01-Aug-94, 16-Jul-94	55 gallons	Bldg 56, Flightline Parking Area	Yes, spill was contained and cleaned w/adsorbent materials. The spill at the Flightline Parking Area was cleaned but records do indicate how.	
Sulfamic Acid	10-Aug-95	25 gallons	Bldg 104 and between Bldgs 7 & 51	Yes, spill was cleaned up using Level B Hazmat suits, sodium bicarbonate, and adsorbent materials	
Motor Oil Hydraulic Fluid	10-Apr-92	0.25 gallons	Parking Ramp south of Bldg 17	Yes, spill was cleaned w/adsorbent materials	
Hazardous Liquid Waste	Prior to 1983	Unknown	Section of Storm Drainage System south of Bldg 19	This site was designated as part of IRP-OT-10	



Sulfamic Acid and Water Mixture	28-Aug-95	7 gallons	Bldg 30 Hangar	Yes, spill was neutralized and cleaned w/adsorbent materials	
Liquid Wastes	1950's and 1960's	Unknown	Approximately 810' portion along the south edge of the flightline aircraft parking apron	Yes, this site was designated as IRP-OT-08	
Hydraulic Fluid	20-Sep-91, 10-Aug-94, 18-Feb-95, 23-Jan-95, 25-Feb-95, 01-Apr-95, 20-Jan-96	10.5 gallons	Flightline Spots A-5, C-6, C-2, A-4, A-6, A-2	Yes, spill was contained and cleaned	A minute amount entered the storm drain near Spot C-2 during clean up.
30 Weight Oil	10-Aug-93	2 gallons	Flightline	Yes, spill was cleaned w/adsorbent materials	
Hazardous Wastes	Between 1970 and early 1980s	Unknown	Former truck loading area south of former Douglas Assembly Plant	Yes, the site west of Bldg 500 was designated as IRP-SS-07. Removal actions are detailed in the SA-017, AST-1702, and IN-018 CCR (MWH, March 2002). The West POL was designated IRP-ST-002. Removal actions are detailed in the OTH-16 and ST-002 CCR (MW, February 200).	
Benzo(a)pyrene	Unknown	Unknown	West of Bldg 500, West POL	Yes, the site west of Bldg 500 was designated as IRP-SS-07. Removal actions are detailed in the SA-017, AST-1702, and IN-018 CCR (MWH, March 2002). The West POL was designated IRP-ST-002. Removal actions are detailed in the OTH-16 and ST-002 CCR (MW, February 200).	
Benzo(b)fluoranthene	Unknown	Unknown	West of Bldg 500, West POL	Yes, the site west of Bldg 500 was designated as IRP-SS-07. Removal actions are detailed in the SA-017, AST-1702, and IN-018 CCR (MWH, March 2002). The West POL was designated IRP-ST-002. Removal actions are detailed in the OTH-16 and ST-002 CCR (MW, February 200).	
Benzo(a)anthracene	Unknown	Unknown	West of Bldg 500, West POL	Yes, the site west of Bldg 500 was designated as IRP-SS-07. Removal actions are detailed in the SA-017, AST-1702, and IN-018 CCR (MWH, March 2002). The West POL was designated IRP-ST-002. Removal actions are detailed in the OTH-16 and ST-002 CCR (MW, February 200).	

Chrysene	Unknown	Unknown	West of Bldg 500, West POL	Yes, the site west of Bldg 500 was designated as IRP-SS-07. Removal actions are detailed in the SA-017, AST-1702, and IN-018 CCR (MWH, March 2002). The West POL was designated IRP-ST-002. Removal actions are detailed in the OTH-16 and ST-002 CCR (MW, February 200).	
Dibenzo(a,h)anthracene	Unknown	Unknown	West of Bldg 500, West POL	Yes, the site west of Bldg 500 was designated as IRP-SS-07. Removal actions are detailed in the SA-017, AST-1702, and IN-018 CCR (MWH, March 2002). The West POL was designated IRP-ST-002. Removal actions are detailed in the OTH-16 and ST-002 CCR (MW, February 200).	
Indeno(1,2,3-cd)pyrene	Unknown	Unknown	West of Bldg 500, West POL	Yes, the site west of Bldg 500 was designated as IRP-SS-07. Removal actions are detailed in the SA-017, AST-1702, and IN-018 CCR (MWH, March 2002). The West POL was designated IRP-ST-002. Removal actions are detailed in the OTH-16 and ST-002 CCR (MW, February 200).	

**EXHIBIT G**  
**[INTENTIONALLY DELETED]**

## **EXHIBIT H**

### **PARCELS 1, 2, 3 and 6 (including Airfield Lease but excluding Landfill Property)**

#### **PARCELS 1, 2 AND 3 EXCLUSIVE OF THE AIR FORCE LEASEHOLD**

THAT PART OF THE SOUTH ½ OF SECTION 32, TOWNSHIP 41 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN AND THAT PART OF SECTION 5, TOWNSHIP 40 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, LYING SOUTHERLY OF HIGGINS ROAD AND EASTERLY AND NORTHERLY OF A LINE BEGINNING AT A POINT IN THE SOUTHERLY LINE OF HIGGINS ROAD 33.00 FEET WEST OF THE NORTH AND SOUTH CENTER LINE OF SAID SECTION 32; THENCE SOUTH PARALLEL WITH THE CENTER LINE OF SAID SECTION 32 A DISTANCE OF 938.00 FEET; THENCE SOUTH 39 DEGREES 13 MINUTES WEST WITH REFERENCE TO THE CENTER LINE OF SAID SECTION 32 (ASSUMED HEREIN A NORTH AND SOUTH BASE LINE) A DISTANCE OF 1465.00 FEET; THENCE SOUTH 40 DEGREES 5 MINUTES 15 SECONDS EAST WITH REFERENCE TO SAID SECTION 32 CENTER LINE A DISTANCE OF 949.60 FEET; THENCE SOUTH 0 DEGREES 16 MINUTES 30 SECONDS EAST WITH REFERENCE TO SAID SECTION 32 CENTER LINE A DISTANCE OF 1945.20 FEET TO AN INTERSECTION WITH A FENCE LINE EXTENDED WEST; THENCE NORTH 89 DEGREES 43 MINUTES 30 SECONDS EAST WITH REFERENCE TO SAID SECTION 32 CENTER LINE AND ALONG THE AFORESAID FENCE LINE TO THE EAST LINE OF SAID SECTION 5, ALL IN COOK COUNTY, ILLINOIS;

EXCEPTING THE FOLLOWING PARCELS FROM THE ABOVE DESCRIBED TRACT OF LAND:

#### **EXCEPTION PARCEL 1**

THAT PART OF THE FOLLOWING DESCRIBED PROPERTY LYING WITHIN THE SOUTHEAST 1/4 OF SECTION 32 AFORESAID:

THAT PART OF THE SOUTHEAST 1/4 OF SECTION 32, TOWNSHIP 41 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN AND THE NORTHWEST 1/4 OF SECTION 4, TOWNSHIP 40 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS:

BEGINNING AT THE INTERSECTION OF THE WEST LINE OF THE EAST 33.00 FEET OF THE SOUTHEAST 1/4 OF SECTION 32 AFORESAID WITH THE SOUTH LINE OF SAID SOUTHEAST 1/4; THENCE SOUTH 87 DEGREES 38 MINUTES 27 SECONDS WEST, ALONG SAID SOUTH LINE, 20.44 FEET; THENCE SOUTH 11 DEGREES 16 MINUTES 33 SECONDS WEST 40.93 FEET; THENCE SOUTH 87 DEGREES 52 MINUTES 11 SECONDS WEST 218.83 FEET TO THE POINT OF INTERSECTION WITH THE

SOUTHERLY EXTENSION OF A LINE DRAWN 280.00 FEET WEST OF AND PARALLEL WITH THE EAST LINE OF THE SOUTHEAST 1/4 OF SECTION 32 AFORESAID; THENCE NORTH 0 DEGREES 7 MINUTES 12 SECONDS EAST, ALONG SAID SOUTHERLY EXTENSION, 38.94 FEET TO THE SOUTH LINE OF THE SOUTHWEST 1/4 OF SAID SECTION 32; THENCE NORTH 0 DEGREES 07 MINUTES 12 SECONDS EAST, ALONG THE AFORESAID LINE DRAWN 280.00 FEET WEST OF AND PARALLEL WITH THE EAST LINE OF THE SOUTHEAST 1/4 OF SECTION 32 AFORESAID, 840.04 FEET; THENCE NORTH 44 DEGREES 52 MINUTES 47 SECONDS WEST 127.28 FEET TO A POINT 370 FEET (MEASURED PERPENDICULARLY) WEST OF THE EAST LINE OF SAID SOUTHEAST 1/4; THENCE NORTH 89 DEGREES 52 MINUTES 48 SECONDS WEST 730 FEET TO THE WEST LINE OF THE EAST 1100 FEET OF THE SOUTHEAST 1/4 OF SECTION 32 AFORESAID; THENCE NORTH 0 DEGREES 07 MINUTES 12 SECONDS EAST ALONG SAID WEST LINE 545.10 FEET TO THE CENTER LINE OF HIGGINS ROAD; THENCE SOUTHEASTERLY ALONG SAID CENTER LINE, 468.74 FEET ALONG THE ARC OF A CIRCLE CONVEX NORTHEASTERLY, HAVING A RADIUS OF 8105.00 FEET AND WHOSE CHORD BEARS SOUTH 74 DEGREES 23 MINUTES 42 SECONDS EAST 468.67 FEET; THENCE CONTINUING ALONG THE CENTER LINE OF HIGGINS ROAD SOUTH 72 DEGREES 44 MINUTES 18 SECONDS EAST TANGENT TO THE ABOVE DESCRIBED CURVED LINE 678.48 FEET TO THE EAST LINE OF SAID SOUTHEAST 1/4; THENCE SOUTH 0 DEGREES 07 MINUTES 12 SECONDS WEST ALONG SAID EAST LINE 527.91 FEET; THENCE SOUTH 87 DEGREES 38 MINUTES 27 SECONDS WEST, ALONG A LINE DRAWN PARALLEL WITH THE SOUTH LINE OF SAID SOUTHEAST 1/4, 33.03 FEET TO THE WEST LINE OF THE EAST 33 FEET OF SAID SOUTHEAST 1/4; THENCE SOUTH 0 DEGREES 07 MINUTES 12 SECONDS WEST, ALONG SAID WEST LINE, 610 FEET TO THE HEREINABOVE DESCRIBED POINT OF BEGINNING, IN COOK COUNTY, ILLINOIS.

#### EXCEPTION PARCEL 2

THE SOUTH 610.00 FEET OF THE EAST 33.00 FEET OF THE SOUTHEAST 1/4 OF SECTION 32 AFORESAID, IN COOK COUNTY, ILLINOIS.

#### EXCEPTION PARCEL 3

CONVEYED TO CITY OF CHICAGO BY DEED DOCUMENT NO. 89499209, RECORDED OCTOBER 20, 1989

SITUATED IN THE STATE OF ILLINOIS, COUNTY OF COOK, PART OF THE NORTHEAST 1/4 AND THE SOUTHEAST 1/4 OF SECTION 5, TOWNSHIP 40 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF THE NORTHEAST 1/4 OF SAID SECTION 5; THENCE ALONG THE EAST LINE OF THE SOUTHEAST 1/4 OF SAID SECTION 5, SOUTH 00 DEGREES 03 MINUTES 08 SECONDS EAST, 102.48 FEET; THENCE SOUTH 89 DEGREES 46 MINUTES 16 SECONDS WEST, 58.68 FEET; THENCE

NORTH 00 DEGREES 02 MINUTES 56 SECONDS EAST, 1904.65 FEET; THENCE NORTH 89 DEGREES 08 MINUTES 46 SECONDS EAST, 30.11 FEET, TO THE POINT OF INTERSECTION WITH THE EAST LINE OF THE NORTHEAST 1/4 OF SECTION 5 AFORESAID; THENCE ALONG THE EAST LINE OF SAID NORTHEAST 1/4, SOUTH 00 DEGREES 51 MINUTES 14 SECONDS EAST, 1802.58 FEET TO THE POINT OF BEGINNING.

AND INCLUDING:

AIR FORCE LEASEHOLD

THAT PART OF SECTION 5, TOWNSHIP 40 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, BOUNDED AND DESCRIBED AS FOLLOWS:

COMMENCING AT THE POINT OF INTERSECTION OF A LINE 33.00 FEET WEST OF AND PARALLEL WITH THE EAST LINE OF THE SOUTHWEST 1/4 OF SECTION 32, TOWNSHIP 41 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN AND WITH THE SOUTHWESTERLY LINE OF HIGGINS ROAD, BEING A LINE 33.00 FEET SOUTHWESTERLY OF AND PARALLEL WITH THE CENTER LINE OF SAID HIGGINS ROAD; THENCE SOUTH 0 DEGREES 02 MINUTES 46 SECONDS WEST, 938.00 FEET ALONG SAID LINE 33.00 FEET WEST OF AND PARALLEL WITH THE EAST LINE OF THE SOUTHWEST 1/4 OF SAID SECTION 32; THENCE SOUTH 39 DEGREES 15 MINUTES 46 SECONDS WEST, 1465.00 FEET; THENCE SOUTH 40 DEGREES 02 MINUTES 29 SECONDS EAST, 97.19 FEET TO THE POINT OF BEGINNING; THENCE CONTINUING SOUTH 40 DEGREES 02 MINUTES 29 SECONDS EAST, 852.41 FEET; THENCE SOUTH 0 DEGREES 13 MINUTES 44 SECONDS EAST, 1945.20 FEET TO THE POINT OF INTERSECTION WITH A LINE DRAWN SOUTH 89 DEGREES 46 MINUTES 16 SECONDS WEST FROM A POINT ON THE EAST LINE OF THE SOUTHEAST 1/4 OF THE AFORESAID SECTION 5, SAID POINT BEING 102.48 FEET (AS MEASURED ALONG SAID EAST LINE) SOUTH OF THE NORTHEAST CORNER OF THE SOUTHEAST 1/4 OF SAID SECTION 5; THENCE SOUTH 89 DEGREES 46 MINUTES 16 SECONDS WEST, ALONG THE WESTERLY EXTENSION OF THE LAST DESCRIBED LINE, 2.60 FEET; THENCE NORTH 39 DEGREES 52 MINUTES 52 SECONDS WEST, 1301.94 FEET; THENCE NORTH 0 DEGREES 06 MINUTES 47 SECONDS EAST 1261.87 FEET TO THE POINT OF INTERSECTION WITH A LINE DRAWN SOUTH 39 DEGREES 36 MINUTES 32 SECONDS WEST FROM THE AFORESAID POINT OF BEGINNING; THENCE NORTH 39 DEGREES 36 MINUTES 32 SECONDS EAST 437.23 FEET TO SAID POINT OF BEGINNING, IN COOK COUNTY, ILLINOIS.

AND EXCLUDING THAT PROPERTY DESCRIBED ON EXHIBIT C TO THIS DEED.

**ACCEPTANCE**

Pursuant to the Ordinance adopted by the City Council of the City of Chicago on July 31, 1996 (C.J.P. 17, 251-17, 521), the City of Chicago is authorized to accept this Quitclaim Deed.

ACCEPTED this 24<sup>th</sup> day of July, 2003:

**CITY OF CHICAGO,**

a municipal corporation organized and  
existing under and pursuant to the laws of  
the State of Illinois

By: Thomas R. Walker  
Name: Thomas R. Walker  
Title: Commissioner of the Department of Aviation

**ATTEST:**

James J. Leake  
City Clerk, City of Chicago  
(SEAL)





**APPENDIX A-2**

**DEED FOR LANDFILL 1**

**THIS DEED WAS PREPARED  
BY AND AFTER RECORDING  
RETURN TO:**

Sue Ann Fishbein  
Krasnow Saunders Cornblath LLP  
500 N. Dearborn St., 2nd fl.  
Chicago, IL 60610

Location of the Property:  
O'Hare International Airport,  
Chicago, Illinois

P.I.N.: 09-32-303-006-0000  
P.I.N.: 09-32-402-004-0000  
P.I.N.: 09-33-311-018-0000  
P.I.N.: 09-33-311-016-0000  
P.I.N.: 09-33-311-020-0000  
P.I.N.: 09-33-311-047-0000  
P.I.N.: 12-04-102-032-0000

05273451150

Doc#: 0527345115 Fee: \$58.50  
Eugene "Gene" Moore RHSP Fee: \$10.00  
Cook County Recorder of Deeds  
Date: 09/30/2005 01:17 PM Pg: 1 of 18

*This space reserved for R*

## **QUITCLAIM DEED AND PARTIAL TERMINATION OF**

### **LEASE**

This QUITCLAIM DEED made and entered into this 20<sup>th</sup> day of September, 2005 by the United States of America, hereinafter referred to as the Grantor, acting by and through the Secretary of the Air Force, under and pursuant to the powers and authority contained in the Defense Base Closure and Realignment Act of 1990, as amended (10 U.S.C. §2687 note), and rules and regulations promulgated thereunder, and the City of Chicago, a municipal corporation organized and existing under and pursuant to the laws of the State of Illinois, hereinafter referred to as the Grantee.

### **WITNESSETH**

That for the total consideration of \$1.00, the receipt of which is hereby acknowledged by the Grantor, and for the contractual consideration of the mutual covenants and agreements as set forth and stated in the Offer of Purchase Agreement made and entered into by and between the Grantor and the Grantee on the 30th day of October, 1996, as amended by Corrective Amendment ("Corrective Amendment") to Offer of Purchase Agreement and Memorandum of Offer of Purchase Agreement dated May 27, 1997, by Second Corrective Amendment ("Second Corrective Amendment") to Offer of Purchase Agreement and Memorandum of Offer of Purchase Agreement dated January 5, 1998, and by Third Amendment to Offer of Purchase Agreement dated July 31, 1999 (collectively, the "Purchase Agreement"), a memorandum of which was recorded as Document No. 96929261 as amended by Corrective Amendment recorded as Document No. 97434616 and Second Corrective Amendment recorded as Document No. 98053748 in the Office of the Recorder of Deeds for Cook County, Illinois, the Grantor does hereby convey and quitclaim unto the Grantee, the City of Chicago, a municipal corporation

organized and existing under and pursuant to the laws of the State of Illinois, certain tracts of real estate ("Landfill Parcel"), also known as "Landfill 1 (LF-01)", containing approximately 2.7897 acres of land located within the boundary of the former O'Hare Air Reserve Forces Facility, Cook County, Illinois, and being more particularly described and depicted on plat of survey, Survey No. N-124828 Exhibit, dated December 27, 2002, by National Survey Service, Inc. on **Exhibit A**, and ("Tracts 208, 209, 211 and 213") containing approximately 1.3655 acres of land located outside the boundary of the former O'Hare Air Reserve Forces Facility, and being more particularly described and depicted on Plat of Survey, Survey No. N-120918 STAKE, dated September 19, 1997, by National Survey Service, Inc., Christian H. Froemke, Illinois P.L.S. 1607, attached as **Exhibit B** hereto, together with all improvements thereon or therein, all privileges, rights, easements, hereditaments, and appurtenances thereto belonging; and all right, title and interest of Grantor in and to all streets, alleys, passages and other rights-of-way included therein or adjacent thereto.

"Landfill Parcel" and Tracts 208, 209, 211 and 213 are collectively called the "Real Estate".

(CLOSING NOTE: Landfill Parcel is designated as a portion of Parcels 2 and 3 in Section 32 of the Purchase Agreement and was designated as a portion of Parcel 6 in the land exchange agreement between the Government and the City dated October 11, 1989.)

THE GRANTOR AND THE GRANTEE do hereby covenant and agree that the conveyance of the herein above-described Real Estate is by quitclaim without covenant or warranty of title. The Grantor does hereby covenant and warrant that the hereinabove described Real Estate is free and clear of all liens and encumbrances, except for exceptions set forth below. The above-stated covenant and warranty is made to the Grantee, and shall not extend to the successors and assigns of the Grantee.

1. Partial and Final Lease Termination.

a) Grantor and Grantee hereby agree that the Lease dated June 18, 1997, as amended by First Amendment to Lease dated December 17, 1998, and Second Amendment to Lease dated July 31, 1999, and Third Amendment to Lease of Property dated July 31, 1999 ("Lease") between Grantor and Grantee, a memorandum of which was recorded in the Office of the Recorder of Deeds of Cook County, Illinois, as Document No. 97434617, as amended by Document Nos. 98145245, 99726321 and 99726322 is hereby terminated as to the Real Estate conveyed by this Deed.

b) Grantor and Grantee hereby agree that the license granted to Grantee with respect to Parcel 6 as set forth in Section 32 of the Purchase Agreement is terminated with respect to that portion of Parcel 6 conveyed by this Deed.

2. Easement Grants.

Grantor hereby grants to Grantee as a perpetual non-exclusive easement appurtenant to the Real Estate the continuing right to use any utilities facilities not conveyed to Grantee

pursuant to this Deed or by previous deeds, but presently benefitting the Real Estate, including without limitation electric, telephone, gas and drainage facilities; including any right of the Real Estate to continue any existing drainage of storm water onto adjoining lands of Grantor.

3. Reservation of Access.

Grantor reserves rights of access to the Real Estate in any case in which additional remedial or corrective action provided in Section 5.d. of this Deed is found to be necessary after the date of conveyance for purposes of performing such remedial or corrective action. Grantor shall provide reasonable notice to Grantee and any authorized occupant before exercising such rights of access, and shall avoid unreasonable interference with Grantee's activities in the event such access is required.

4. Indemnity.

Grantor recognizes and acknowledges that Section 330 of the National Defense Authorization Act, 1993, P.L. 102 484, as amended, provides that the Secretary of Defense shall, in accordance with the provisions of that Section hold harmless, defend and indemnify in full the Grantee from and against any suit, claim, demand or action, liability, judgment, cost or other fee arising out of any claim for personal injury or property damage (including death, illness, or loss of or damage to property or economic loss) that results from, or is in any manner predicated upon, the release or threatened release of any hazardous substance or pollutant or contaminant as a result of Department of Defense activities at the Real Estate.

5. Covenants

a) Asbestos-Containing Materials ("ACM"). The Grantee is warned that the Real Estate may contain current and former improvements, such as buildings, facilities, equipment, and pipelines, above and below the ground, that may contain ACM. The Grantee covenants and agrees that in its use and occupancy of the Real Estate, it will comply with all applicable Federal, State, and local laws relating to asbestos. The Grantee is cautioned to use due care during property development activities that may uncover pipelines or other buried ACM. The Grantee covenants and agrees that it will notify the Grantor promptly of any potentially friable ACM that constitutes a release under the federal Comprehensive Environmental Response, Compensation, and Liability Act (42 U.S.C. §§ 9601-9675). The Grantor's responsibility under this deed for friable ACM is limited to friable ACM in demolition debris associated with past Air Force activities and is limited to the actions, if any, to be taken in accordance with the covenant contained in Section 5.d. below of this Deed. The Grantee is warned that the Grantor will not be responsible for removing or responding to ACM in or on utility pipelines. The Grantee acknowledges that the Grantor assumes no liability for property damages or damages for personal injury, illness, disability, or death to the Grantee, or to any other person, including members of the general public, arising from or incident to the purchase, transportation, removal, handling, use, disposition, or other activity causing or leading to contact of any kind whatsoever with asbestos on the Real Estate, whether the Grantee has properly warned, or failed to properly warn, the persons injured.

b). General Lead-Based Paint and Lead-Based Paint-Containing Materials and Debris (collectively "LBP").

(1) Lead-based paint was commonly used prior to 1978 and may be located on the Real Estate. The Grantee is advised to exercise caution during any use of the Real Estate that may result in exposure to LBP.

(2) The Grantee covenants and agrees that in its use and occupancy of the Real Estate, the Grantee is solely responsible for managing LBP, including LBP in soils, in accordance with all applicable Federal, State, and local laws and regulations. The Grantee acknowledges that the Grantor assumes no liability for property damages or damages for personal injury, illness, disability, or death to the Grantee, or to any other person, including members of the general public, arising from or incident to the purchase, transportation, removal, handling, use, contact, disposition, or other activity involving LBP on the Real Estate, whether the Grantee has properly warned, or failed to properly warn, the persons injured. The Grantee further agrees to notify the Grantor promptly of any discovery of LBP in soils that appears to be the result of Grantor activities and that is found at concentrations that may require remediation. The Grantor hereby reserves a non-exclusive easement, in its sole discretion, to undertake an investigation and conduct any remedial action that it determines is necessary on the Real Estate.

c) Ordinance. The risk associated with the possible presence of unexploded ordnance remaining on the Real Estate was investigated by the Grantor and appropriate site clearance measures were performed. The Munitions Response Site on the Landfill 1 (LF-01) parcel does not have the potential for Unexploded Ordnance (UXO), Discarded Military Munitions (DMM), Waste Management Munitions (WMM), Explosive Soils, Explosive Debris and/or Munitions Constituents (MC). While not likely, the Grantee is hereby notified of the potential presence of ordnance and ordnance-related material on the Landfill 1 (LF-01) parcel. The Grantee covenants to perform all ground-disturbing activities in a manner such that the identification of ordnance or ordnance-related material may occur. Upon discovery of any such ordnance and/or ordnance-related materials on the Real Estate, the Grantee shall immediately cease work and notify the Grantor.

d) Grantor Covenant.

(1) Pursuant to Section 120(h)(3)(A)(i) of the Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended (42 U.S.C. §9620(h)(3)(A)(i) ("CERCLA"), the following is notice of hazardous substances on the Real Estate and the description of remedial action taken concerning the Real Estate:

(a) Grantor has made a complete search of its files and records. A table of Notice of Hazardous Substances Released at Landfill 1 (LF-01) is at **Exhibit C**. There is one Installation Restoration Program (IRP) site located on Landfill 1 (LF-01), where release, disposal, and/or migration of hazardous substances occurred, and all removal or remedial actions to protect human health and the environment in accordance with CERCLA Section 120(h)(3) have been taken. Pursuant to Section 120(h)(3)(A)(ii) of CERCLA, Grantor covenants and warrants that (a) all remedial action necessary to protect human health and the environment with respect to

hazardous substances remaining on the Real Estate has been taken before the date of this Deed, and (b) any additional remedial or corrective action found to be necessary after the date of this Deed for contamination on the Real Estate existing prior to the date of this Deed shall be conducted by the United States.

(b) Extensive investigation, including physical trenching and characterization was completed at LF-01. Based on the findings of the environmental investigations at LF-01, the physical location of LF-01, and the use restriction contained in 5.e. below, no remedial action was found to be necessary.

(2) The obligation of the United States under this warranty does not include response actions required by an act or omission of the Grantee that either (a) introduces new or additional contamination, or (b) increases the cost of the required response action by improperly managing any CERCLA contamination present on the Real Estate on the date of this Deed from the United States. For the purposes of this warranty, the phrase "remedial action found to be necessary" does not include any performance by the United States, or payment to the Grantee from the United States, for (a) additional remedial action that is required to facilitate use of the Real Estate by the Grantee in a manner that is inconsistent with restrictions, if any, contained in section 5.e.(1) through 5.e.(3) below of this Deed, as may be amended or modified pursuant to section 5.e.(4) of this Deed, or (b) disposal of soils that do not require response actions if left in place, but must be disposed of when disturbed.

(3) Grantor has reserved access to the Real Estate pursuant to Section 5.d.(1)(a) above in order to perform any remedial or corrective action as required by CERCLA 120(h)(3)(A)(ii).

## NOTICE

### BREACH OF ANY ENVIRONMENTAL USE RESTRICTIVE COVENANT IN SECTION 5.e BELOW, MAY AFFECT THE FOREGOING WARRANTY

e) Environmental Use Restrictive Covenants. The covenants in this Section 4.e. are being created to protect human health and the environment, from exposure to contaminants in soils via ingestion, inhalation, or dermal contact and protect from ingestion of benzene and benzo(a)pyrene in groundwater against residual contaminants as a component of the remedial action taken in Section 5.c. above. As a condition of the Finding of Suitability to Transfer the Real Estate ("FOST"), Grantor has determined that the following restrictive covenants are necessary to ensure protection of human health and the environment. It is the intent of the Grantor and the Grantee that the following restrictive covenants in this section shall be binding on the property subject to the restrictive covenant and shall be deemed to run with the land in perpetuity, unless modified in accordance with the provisions contained herein. Upon any transfer of ownership by Grantee or subsequent owners of the property subject to a restrictive

covenant, the transferor shall not have any liability or obligation accruing thereafter under this Deed with respect to the transferred property or interest.

(1) FOST. Grantor issued a FOST on September 20, 2005. The parcel identified as Landfill 1 (LF-01) has been used as a landfill. Information regarding this landfill can be obtained from the Illinois Environmental Protection Agency (IEPA) under the Freedom of Information Act and should reference IEPA identification number 03167600003. There is a potential that unknown types and quantities of hazardous substances may be present at Landfill 1 (LF-01) due to the nature of general refuse disposed of at such landfills. The presence of any such hazardous substances does not pose a threat to human health and the environment as long as LF-01 remains in its current intact state. Therefore, the Grantee is prohibited from performing any excavation or other activities that compromise the integrity of the landfill; however,, any such changes in land use that disrupt the integrity of the landfill will require notice to IEPA consistent with Illinois law, prior to undertaking such changes.

(2) Groundwater Use Restrictions. The Grantee covenants to prohibit the future use of groundwater at "Landfill 1 (LF-01)" by prohibiting the installation and the use of potable and/or non-potable water supply wells on Landfill 1. The Grantee covenants to prohibit the use and /or consumption of the underlying groundwater from within the Landfill 1 parcel at **Exhibit A** or otherwise using such groundwater for irrigation or in any other manner that would cause unprotected exposure to such groundwater by humans. Such restrictions exclude the installation and use of groundwater monitoring wells. The Grantee covenants to request and obtain prior written consent from the IEPA prior to attempting to use the groundwater in any manner.

(3) Residential and Agricultural Use Restriction Against Real Estate. Grantee shall be prohibited from using the Landfill 1 (LF-01) as Residential Property (hereinafter defined) or Agricultural Property (hereinafter defined). The term "Residential Property" shall mean any real property that is used for habitation by individuals, or where children have the opportunity for exposure to contaminants through soil ingestion or inhalation at educational facilities, health care facilities, child care facilities or outdoor recreational areas. For purposes of enforcing restrictions herein on use of Residential Property, Grantor shall not interpret the term "Residential Property" to prohibit hotels, extended stay or other short-term overnight accommodations (i.e., continuous occupancy for not more than 60 nights). The term "Agricultural Property" shall mean any real property for which its present or post-remediation use is for growing agricultural crops for food or feed either as harvested crops, cover crops or as pasture. This definition includes, but is not limited to, properties used for confinement or grazing of livestock or poultry and for silviculture operations. Excluded from this definition are farm residences, farm outbuildings and agrichemical facilities.

(4) Release of Environmental Use Restrictions. The Grantee hereby covenants that it shall comply with the use restrictions on Landfill 1 (LF-01) enumerated in Sections 5.e.(1), 5.e.(2) and 5.e.(3) above. The Grantee may request Grantor to modify or release the use restrictions to conduct an otherwise prohibited activity, in whole or in part, subject to the notification and concurrence or approval of the IEPA and United States Environmental Protection Agency (USEPA), Region V. If Grantee's request for modification or release is approved by Grantor, IEPA and USEPA, Region V, the Grantor agrees to modify or release the

covenant giving rise to such use restriction in whole or in part, as the case may be, upon the Grantee's request. Grantee hereby understands and agrees that all costs associated with releasing or modifying the use restrictions shall be the sole responsibility of Grantee, without any cost whatsoever to Grantor. Grantor shall deliver to Grantee in recordable form any such modification and release ("Covenant Release"). The execution of the Covenant Release by Grantor shall modify or release the restrictive covenant with respect to the Real Estate. Furthermore, Grantor agrees to execute the Covenant Release to modify or release the restrictive covenant or use restriction if either Grantee or Grantor has obtained the concurrence or approval of the IEPA and USEPA, Region V to such modification or release. Issuance by IEPA of a "no further remediation" letter pursuant to the IEPA voluntary Site Remediation Program (or the then functional equivalent issued by IEPA) with respect to such portion of the Real Estate shall be deemed approval by IEPA.

(5) Future Monitoring and Enforcement. Until such time as the Grantor shall designate another government agency to monitor and enforce the implementation and maintenance of these restrictions and grant approvals hereunder, such responsibility shall be vested in the Director of the Air Force Real Property Agency.

#### 6. Notice

a) Any notice, request, demand, instruction or other document to be given or served hereunder or under any document or instrument executed pursuant hereto shall be in writing and shall be delivered personally (including by messenger) or sent by United States registered or certified mail, return receipt requested, postage prepaid or by courier, postage prepaid and addressed to the parties at their respective addresses set forth below, and the same shall be effective upon receipt if delivered personally or by messenger or two business days after deposit in the mails if mailed. A party may change its address for receipt of notices by service of a notice of such change in accordance herewith.

If to Grantee:

Department of Aviation  
Attention: Commissioner  
O'Hare International Airport  
T-2 Mezzanine  
Chicago, IL 60666

with a copy to:

Corporation Counsel  
Room 600, City Hall  
121 N. LaSalle Street  
Chicago, IL 60602



If to Grantor or Department of the Air Force:

Director, Air Force Real Property Agency  
AFRPA/DR  
1700 N. Moore Street, Suite 2300  
Arlington, VA 22209-2802

with a copy to:

Chief Counsel  
Air Force Real Property Agency  
1700 N. Moore Street, Suite 2300  
Arlington, VA 22209-2802

b) Unless the context otherwise requires, when used in this Deed, the term "Grantor" includes the successors and assigns of Grantor, the term "Air Force" includes any successor entity to the Department of the Air Force or any successor to the Secretary of the Air Force, and the term "Grantee" includes the successor and assigns of Grantee.

**(THE REMAINDER OF THIS PAGE IS INTENTIONALLY BLANK)**

IN TESTIMONY WHEREOF, witness the signature of the Grantor, the United States of America, acting by and through the Secretary of the Air Force, this 20<sup>th</sup> day of September, 2005.

UNITED STATES OF AMERICA

By: Jeffrey Domm  
 JEFFREY DOMM  
 Deputy Director  
 Air Force Real Property Agency

STATE OF VIRGINIA                    )  
   ) SS  
 COUNTY OF ARLINGTON            )

The foregoing Quitclaim Deed was acknowledged before me this 20<sup>th</sup> day of September, 2005, by Jeffrey Domm, Deputy Director, Air Force Real Property Agency, on behalf of the United States of America.

Notary  
 Notary Public, State of Virginia

Name: Dominic H. Frinzi Jr.  
 (Type or print legibly)

**My Commission Expires July 31, 2006**

AFFIX OR ATTACH YOUR NOTARY PUBLIC SEAL OF OFFICE TO THIS CERTIFICATE OF ACKNOWLEDGMENT AND TYPE OR PRINT YOUR NAME IMMEDIATELY BELOW THE NOTARY PUBLIC SIGNATURE LINE.

**EXHIBIT A****LANDFILL 1 (LF-01) LEGAL DESCRIPTION**

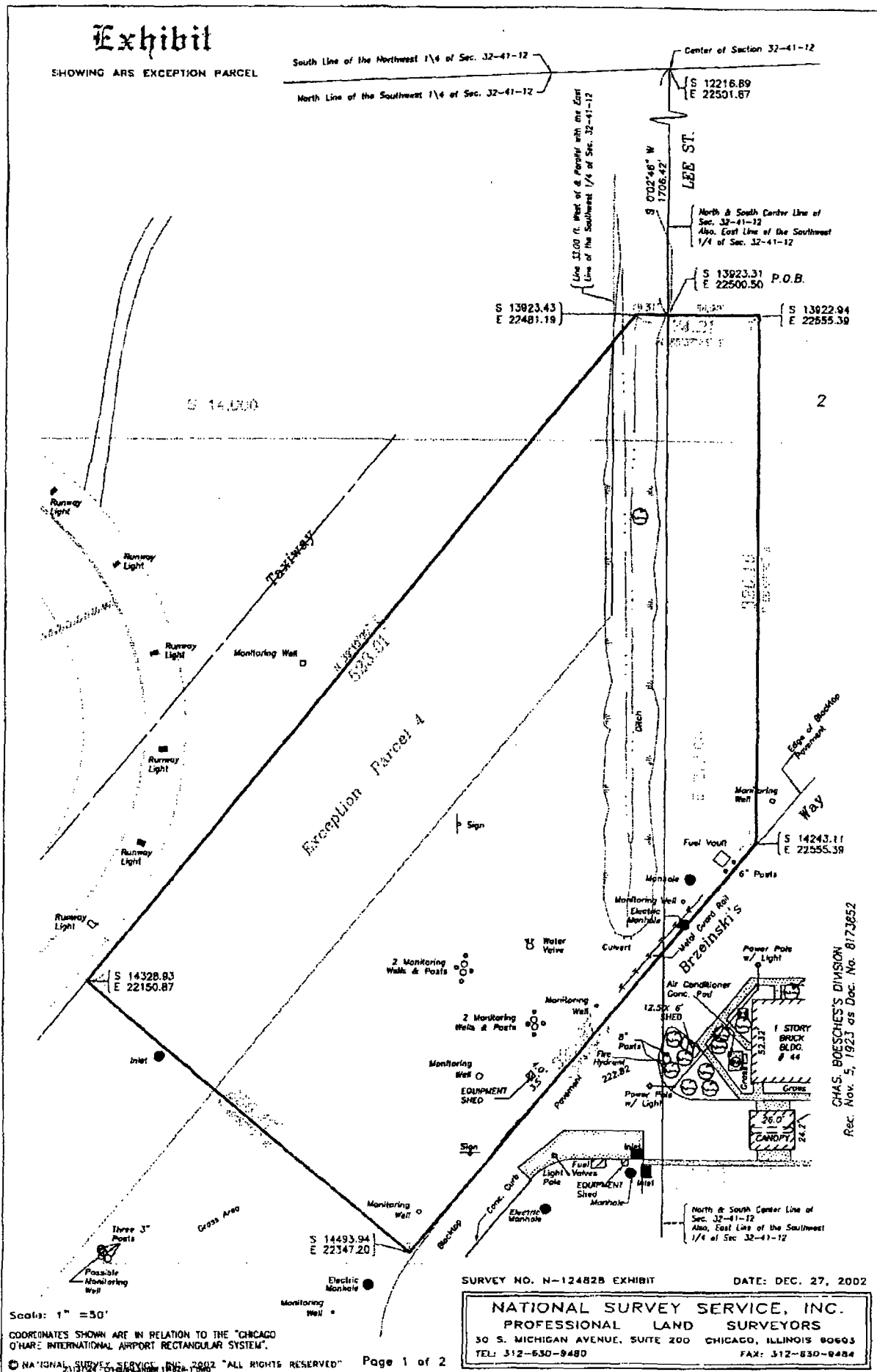
A PARCEL OF LAND IN THE SOUTH 1/2 OF SECTION 32, TOWNSHIP 41 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, BEING DESCRIBED IN ACCORDANCE WITH THE CHICAGO O'HARE INTERNATIONAL AIRPORT RECTANGULAR SYSTEM AS DESCRIBED AND MAPPED IN A CITY COUNCIL ORDINANCE PUBLISHED IN PAGES 5777 TO 5784, INCLUSIVE. THE BASIC POINT OF SAID SYSTEM IS DESCRIBED IN SECTION ONE OF SAID ORDINANCE. THE AFORESAID PARCEL IS DESCRIBED AS FOLLOWS:

COMMENCING AT THE CENTER OF SECTION 32 AFORESAID, SAID POINT HAVING A COORDINATE VALUE OF SOUTH 12,216.89 FEET AND EAST 22,501.87 FEET; THENCE SOUTH 0 DEGREES 02 MINUTES 46 SECONDS WEST, ALONG THE NORTH AND SOUTH CENTER LINE OF SAID SECTION 32 A DISTANCE OF 1,706.42 FEET TO THE POINT OF BEGINNING OF THE PARCEL HEREIN DESCRIBED, SAID POINT HAVING A COORDINATE VALUE OF SOUTH 13,923.31 FEET AND EAST 22,500.50 FEET; THENCE NORTH 89 DEGREES 37 MINUTES 23 SECONDS EAST, 54.90 FEET TO A POINT HAVING A COORDINATE VALUE OF SOUTH 13,922.94 FEET AND EAST 22,555.39 FEET; THENCE SOUTH 0 DEGREES 00 MINUTES 00 SECONDS EAST, 320.16 FEET TO A POINT HAVING A COORDINATE VALUE OF SOUTH 14,243.11 FEET AND EAST 22,555.39 FEET; THENCE SOUTH 39 DEGREES 41 MINUTES 34 SECONDS WEST, 325.97 FEET TO A POINT HAVING A COORDINATE VALUE OF SOUTH 14,493.94 FEET AND EAST 22,347.20 FEET; THENCE NORTH 49 DEGREES 57 MINUTES 12 SECONDS WEST, 256.47 FEET TO A POINT HAVING A COORDINATE VALUE OF SOUTH 14,328.93 FEET AND EAST 22,150.87 FEET; THENCE NORTH 39 DEGREES 10 MINUTES 00 SECONDS EAST, 523.01 FEET TO A POINT HAVING A COORDINATE VALUE OF SOUTH 13,923.43 FEET AND EAST 22,481.19 FEET; THENCE NORTH 89 DEGREES 37 MINUTES 23 SECONDS EAST, 19.31 FEET TO THE HEREINABOVE DESIGNATED POINT OF BEGINNING, IN COOK COUNTY, ILLINOIS.

AREA = 121,519.3 SQUARE FEET OR 2.7897 ACRES.

# Exhibit

SHOWING ARS EXCEPTION PARCEL



CHAS. BOESCHES'S DIVISION  
Rec. Nov. 5, 1923 as Doc. No. 8173852

**EXHIBIT B****TRACT NO. 208**

THE SOUTH 50.00 FEET (MEASURED PERPENDICULARLY) OF THE WEST 467.84 FEET (AS MEASURED ALONG THE SOUTH LINE) OF THE SOUTHWEST 1/4 OF SECTION 33, TOWNSHIP 41 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS.

AREA = 23,392 SQ. FT. OR 0.5370 ACRES

**TRACT NO. 209**

THE SOUTH 50.00 FEET (MEASURED PERPENDICULARLY) OF THAT PART OF THE SOUTHWEST 1/4 SECTION 33, TOWNSHIP 41 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, LYING WEST OF THE WEST LINE OF THE RIGHT OF WAY OF THE MINNEAPOLIS, ST. PAUL AND SAULTE STE MARIE RAILROAD, LYING SOUTH OF THE CENTER LINE OF HIGGINS ROAD AND WEST OF A LINE DRAWN PARALLEL TO AND 1064.00 FEET WEST (AS MEASURED ALONG THE SOUTH LINE OF SAID SOUTHWEST 1/4) OF THE EXTENSION NORTH OF THE EAST LINE OF THE NORTHWEST FRACTIONAL 1/4 OF SECTION 4, TOWNSHIP 40 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, AND EAST OF THE EXTENSION NORTH OF THE WEST LINE OF THE EAST 1360.92 FEET (AS MEASURED ALONG THE SOUTH LINE OF SAID SOUTHWEST 1/4 OF SECTION 33) OF SAID NORTHWEST FRACTIONAL 1/4, EXCEPT THE RIGHT OF WAY OF THE MINNEAPOLIS, ST. PAUL AND SAULTE STE MARIE RAILROAD .

ALSO, THE SOUTH 50.00 FEET (MEASURED PERPENDICULARLY) OF THE SOUTHWEST 1/4 OF SECTION 33, LYING WEST OF THE WEST LINE, EXTENDED NORTH TO THE CENTER LINE OF HIGGINS ROAD, OF THE EAST 20.62 CHAINS (1360.92 FEET, AS MEASURED ALONG THE SOUTH LINE OF SAID SOUTHWEST 1/4 OF SECTION 33) OF THE NORTHWEST 1/4 OF SECTION 4, TOWNSHIP 40 NORTH, RANGE 12 EAST, EXCEPT THE WEST 467.84 FEET THEREOF (AS MEASURED ALONG THE SOUTH LINE OF SAID SOUTHWEST 1/4 OF SECTION 33) IN COOK COUNTY, ILLINOIS.

AREA= 29,893 SQ. FT. OR 0.6862 ACRES

**TRACT NO. 211**

THE SOUTH 50.00 FEET (AS MEASURED PERPENDICULARLY) OF THE WEST 275.00 FEET (AS MEASURED ALONG THE SOUTH LINE OF SAID SOUTHWEST  $\frac{1}{4}$  OF

SECTION 33) OF THE EAST 1064.00 FEET (AS MEASURED ALONG THE SOUTH LINE OF SAID SOUTHWEST  $\frac{1}{4}$  OF SECTION 33) LYING WEST OF THE CENTER LINE OF WILLOW CREEK, OF THAT PART OF THE SOUTHWEST  $\frac{1}{4}$  OF SECTION 33, TOWNSHIP 41 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, LYING SOUTH OF THE CENTER LINE OF HIGGINS ROAD AND WEST OF THE EAST LINE, EXTENDED NORTH TO THE CENTER LINE OF HIGGINS ROAD OF THE NORTHWEST  $\frac{1}{4}$  OF SECTION 4, TOWNSHIP 40 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS.

AREA=1,099 SQ. FT. OR 0.0252 ACRES

**TRACT NO. 213**

THE NORTH 50.00 FEET (MEASURED PERPENDICULARLY) OF THAT PART OF THE NORTHWEST FRACTIONAL  $\frac{1}{4}$  OF SECTION 4, TOWNSHIP 40 NORTH, RANGE 12, EAST OF THE THIRD PRINCIPAL MERIDIAN, LYING EAST OF THE EASTERLY RIGHT OF WAY LINE OF THE MINNEAPOLIS, ST. PAUL AND SAULTE STE MARIE RAILROAD, AND WEST OF THE CENTER LINE OF WILLOW CREEK, EXCEPTING THEREFROM THE WEST 40.00 FEET AS MEASURED AT RIGHT ANGLES TO THE EASTERLY RIGHT OF WAY LINE OF THE MINNEAPOLIS, ST. PAUL AND SAULTE STE MARIE RAILROAD, IN COOK COUNTY, ILLINOIS.

AREA=5,102 SQ. FT. OR 0.1171 ACRES

OVERSIZED

# EXHIBIT

ATTACHED TO

~~ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED~~

# DOCUMENT

# SEE PLAT INDEX

**Exhibit C****NOTICE OF HAZARDOUS SUBSTANCES RELEASE**

Notice is hereby provided that the information set out below provides notice of hazardous substances that are known to have been disposed of or released on the property. The information contained in this notice is required under the authority of regulations promulgated under section 120(h) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA or "Superfund") 42 U.S.C. section 9620(h).

***Landfill 1***

Substance	Regulatory Synonym(s)	CAS Registry Number	Quantity kg/pounds	Date	Hazardous Waste ID  Number (if applicable)	Response
Benzene	-----	71432	No mass available	Est.  1953- 1965	N/A	ROD for Landfill 1 requires institutional controls to manage land use, restrict groundwater use and protect the landfill integrity
Benzo(a)pyrene	3,4 benzopyrene	50328	No mass available	Est.  1953- 1965	N/A	ROD for Landfill 1 requires institutional controls to manage land use, restrict groundwater use and protect the landfill integrity



**ACCEPTANCE**

Pursuant to the Ordinance adopted by the City Council of the City of Chicago on July 31, 1996 (C.J.P. 17, 251-17, 521), the City of Chicago is authorized to accept this Quitclaim Deed.

ACCEPTED this 29<sup>th</sup> day of September, 2005:

**CITY OF CHICAGO,**

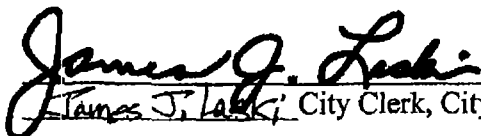
a municipal corporation organized and  
existing under and pursuant to the laws of  
the State of Illinois

By: 

Name: John A. Roberson

Title: Commissioner of the Department of Aviation

**ATTEST:**



James J. Laski City Clerk, City of Chicago

(SEAL)

## PLAT ACT AFFIDAVIT

STATE OF \_\_\_\_\_ )

COUNTY OF \_\_\_\_\_ )

Dominic Frinzi, Counsel, Air Force Real Property Agency, being duly sworn on oath, states that his main office is located at 1400 N Moore St., Ste 2300, Arlington, VA 22209-2802, and that the attached deed is not in violation of 765 ILCS 205/1 for one of the following reasons:

1. Said Act is not applicable as the grantors own no adjoining property to the premises described in said deed;- OR -the conveyance falls in one of the following exemptions as shown by Amended Act which became effective July 17, 1959:
2. The division or subdivision of the land into parcels or tracts of five acres or more in size which does not involve any new streets or easements of access.
3. The divisions of lots or blocks of less than one acre in any recorded subdivision which does not involve any new streets or easements of access.
4. The sale or exchange of parcels of land between owners of adjoining and contiguous land.
5. The conveyance of parcels of land or interest therein for use as right of way for railroads or other public utility facilities, which does not involve any new streets or easements of access.
6. The conveyance of land owned by a railroad or other public utility which does not involve any new streets or easements of access.
7. The conveyance of land for highway or other public purposes or grants or conveyances relating to the dedication of land for public use or instruments relating to the vacation of land impressed with a public use.
8. Conveyances made to correct descriptions in prior conveyances.
9. The sale or exchange of parcels or tracts of land existing on the date of the amendatory Act into no more than two parts and not involving any new streets or easements of assess.

CIRCLE NUMBER ABOVE WHICH IS APPLICABLE TO ATTACHED DEED.

Affiant further states that he makes this affidavit for the purpose of inducing the Recorder of Deeds of Cook County, Illinois, to accept the attached deed for recording.

UNITED STATES OF AMERICA, by Department of  
the Air Force, Air Force Real Property Agency

By: [Signature]  
Its: Senior Transactional Counsel

SUBSCRIBED AND SWORN to before  
me this 20<sup>th</sup> day of September, 2005.

Karin A. Francis  
Notary Public



## STATEMENT BY GRANTOR AND GRANTEE

The grantor or his agent affirms that, to the best of his knowledge, the name of the grantee shown on the deed or assignment of beneficial interest in a land trust is either a natural person, an Illinois corporation or foreign corporation authorized to do business or acquire and hold title to real estate in Illinois, a partnership authorized to do business or acquire and hold title to real estate in Illinois, or other entity recognized as a person and authorized to do business or acquire and hold title to real estate under the laws of the State of Illinois.

Dated 9/30/2005, Signature: Sue Ann Fishbein  
Grantor or Agent

Subscribed and sworn to before me by the

said GRANTOR

this 30<sup>th</sup> day of SEPTEMBER, 2005

Angela Koettters  
Notary Public



The grantee or his agent affirms and verifies that the name of the grantee shown on the deed or assignment of beneficial interest in a land trust is either a natural person, an Illinois corporation or foreign corporation authorized to do business or acquire and hold title to real estate in Illinois, a partnership authorized to do business or acquire and hold title to real estate in Illinois, or other entity recognized as a person and authorized to do business or acquire and hold title to real estate under the laws of the State of Illinois.

Dated 9/30/2005, Signature: Sue Ann Fishbein  
Grantee or Agent

Subscribed and sworn to before me by the

said GRANTEE

this 30<sup>th</sup> day of SEPTEMBER, 2005

Angela Koettters  
Notary Public



NOTE: Any person who knowingly submits a false statement concerning the identity of a grantee shall be guilty of a Class C misdemeanor for the first offense and of a Class A misdemeanor for subsequent offenses.

[Attach to deed or ABI to be recorded in Cook County, Illinois, if exempt under provisions of Section 4 of the Illinois Real Estate Transfer Tax Act.]

**APPENDIX B**

**PUBLIC NOTICE**

**PUBLIC NOTICE**  
**THE AIR FORCE REAL PROPERTY AGENCY**  
**IS CONDUCTING A CERCLA FIVE-YEAR REVIEW AT**  
**THE FORMER O'HARE AIR RESERVE STATION, IL**

The United States Air Force Real Property Agency (AFRPA) is conducting the first Five-Year Review of the selected remedies that are being implemented to address environmental contamination at the former O'Hare Air Reserve Station (ARS). The remedy consists of land use controls designed to limit contact with isolated areas of soil contaminated with various organic and metal contaminants and groundwater contaminated with benzene and benzo(a)pyrene.

Under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), reviews of long-term remedial actions are required every five years to ensure continued protection of human health and the environment until a site is deemed suitable for unrestricted use or unlimited access. The Air Force plans to complete this review by September 30, 2007. A subsequent public notice will announce the completion of the five-year review, at which time the final report will be provided for public access at the Village of Des Plaines Public Library, 1501 Ellinwood Ave., Des Plaines, Illinois 60016, (847)-827-5551.

If you have questions or would like more information on the sites under review, please contact:

Mr. David Strainge  
BRAC Environmental Coordinator  
AFRPA/ER  
154 Development Drive, Suite G  
Limestone, Maine 04750  
Phone: 207-328-7075

**PUBLIC NOTICE**  
**THE AIR FORCE REAL PROPERTY AGENCY**  
**HAS COMPLETED A CERCLA FIVE-YEAR REVIEW AT**  
**THE FORMER O'HARE AIR RESERVE STATION, IL**

The United States Air Force Real Property Agency (AFRPA) has completed the first Five-Year Review of the selected remedies that are being implemented to address environmental contamination at the former O'Hare Air Reserve Station (ARS). The remedies, which consist of Land Use Controls (LUCs) and Institutional Controls (ICs), remain protective of human health and the environment and are anticipated to remain protective in the future. Information gathered from the Records of Decisions (RODs), risk assessment review, and recorded deeds provided the basis for determining the protectiveness of the remedies. This information is detailed in the first Five-Year Review Report, dated September 2007.

The Air Force, in coordination with the Chicago Department of Aviation (DOA) will ensure the LUC/IC requirements are transferred to any future property owners or tenants. To ensure compliance with the selected remedies, the Air Force plans to perform the next Five-Year Review on or before September 30, 2012. The first Five-Year Review Report will be provided for public access at the Village of Des Plaines Public Library, 1501 Ellinwood Ave., Des Plaines, Illinois 60016, (847)-827-5551.

If you have questions or would like more information on the sites under review, please contact:

Mr. David Strainge  
BRAC Environmental Coordinator  
AFRPA/ER  
154 Development Drive, Suite G  
Limestone, Maine 04750

## **APPENDIX C**

### **INSPECTION CHECKLISTS**

# Site Inspection Checklist<sup>1</sup>

## Elevated Water Storage Tank (AST-1702)

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/31/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: <u>Pt. Cloudy, 75° F</u>
Remedy Includes: (Check all that apply) <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;"> <input type="checkbox"/> Access Controls  <input checked="" type="checkbox"/> Institutional Controls  <input type="checkbox"/> Groundwater Monitoring  <input type="checkbox"/> Other: _____             </div> <div style="width: 50%;">   <u>Deed restrictions, restrictive covenants</u>      </div> </div>	

V. INSTITUTIONAL CONTROLS			
<b>A. Institutional Controls (ICs)</b>		<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A
<b>1. Implementation and Enforcement</b>			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>			
Frequency: <u>Every five years</u>			
Responsible party/agency: <u>Air Force Real Property Agency (AFRPA)</u>			
Contact: <u>David Strainge</u>	<u>BRAC Environmental Coordinator</u>	<u>(207) 328-7109 x107</u>	
Name	Title	Phone Number	
Specific requirements in decision documents have been met		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Violations have been reported		<input type="checkbox"/> Yes	<input type="checkbox"/> No
		<input checked="" type="checkbox"/> N/A	
(N/A means that there were no violations for which reporting was necessary)			
Other problems or suggestions: _____			
_____			
_____			
_____			



2. **Adequacy**

☒ ICs are adequate

☐ ICs are inadequate

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**B. General**

1. **Land use changes on site**

☐ Yes (*describe below*)

☒ No changes in on-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. **Land use changes off site**

☐ Yes (*describe below*)

☒ No changes in off-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. **Well Installation (except groundwater monitoring wells)**

☐ Yes (*describe below*)

☒ No wells have been installed

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Note:**

<sup>1</sup> This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance*, June 2001. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

# Site Inspection Checklist<sup>1</sup>

*Former Coal Storage Area (6TH-1)*

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/31/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: <u>pt. Cloudy, 75° F</u>
Remedy Includes: (Check all that apply)	
<input type="checkbox"/> Access Controls	_____
<input checked="" type="checkbox"/> Institutional Controls	<u>Deed restrictions, restrictive covenants</u>
<input type="checkbox"/> Groundwater Monitoring	_____
<input type="checkbox"/> Other: _____	_____

V. INSTITUTIONAL CONTROLS			
A. Institutional Controls (ICs)		<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A
1. Implementation and Enforcement			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>			
Frequency: <u>Every five years</u>			
Responsible party/agency: <u>Air Force Real Property Agency (AFRPA)</u>			
Contact: <u>David Strainge</u>	<u>BRAC Environmental Coordinator</u>	<u>(207) 328-7109 x107</u>	
Name	Title	Phone Number	
Specific requirements in decision documents have been met	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Violations have been reported	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
(N/A means that there were no violations for which reporting was necessary)			
Other problems or suggestions: _____			
_____			
_____			
_____			

2. **Adequacy**

- ☒ ICs are adequate  
☐ ICs are inadequate

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**B. General**

1. **Land use changes on site**

- ☐ Yes (*describe below*)  
☒ No changes in on-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. **Land use changes off site**

- ☐ Yes (*describe below*)  
☒ No changes in off-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. **Well Installation (except groundwater monitoring wells)**

- ☐ Yes (*describe below*)  
☒ No wells have been installed

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Note:**

<sup>1</sup> This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance*, June 2001. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

# Site Inspection Checklist<sup>1</sup>

*Handfill No. 2 (OTH-HF-02)*

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/31/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: <u>Pt. Cloudy, 75° F</u>
Remedy Includes: (Check all that apply)	
<input type="checkbox"/> Access Controls	_____
<input checked="" type="checkbox"/> Institutional Controls	<u>Deed restrictions, restrictive covenants</u>
<input type="checkbox"/> Groundwater Monitoring	_____
<input type="checkbox"/> Other: _____	_____

V. INSTITUTIONAL CONTROLS			
A. Institutional Controls (ICs)		<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A
1. Implementation and Enforcement			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>			
Frequency: <u>Every five years</u>			
Responsible party/agency: <u>Air Force Real Property Agency (AFRPA)</u>			
Contact: <u>David Strainge</u>	<u>BRAC Environmental Coordinator</u>	<u>(207) 328-7109 x107</u>	
Name	Title	Phone Number	
Specific requirements in decision documents have been met		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A
Violations have been reported		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
(N/A means that there were no violations for which reporting was necessary)			
Other problems or suggestions: _____			
_____			
_____			
_____			

2. **Adequacy**

- ☒ ICs are adequate  
☐ ICs are inadequate

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**B. General**

1. **Land use changes on site**

- ☐ Yes (*describe below*)  
☒ No changes in on-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. **Land use changes off site**

- ☐ Yes (*describe below*)  
☒ No changes in off-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. **Well Installation (except groundwater monitoring wells)**

- ☐ Yes (*describe below*)  
☒ No wells have been installed

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Note:**

<sup>1</sup> This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance*, June 2001. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

# Site Inspection Checklist<sup>1</sup>

*Former Trailer Park (OTH-TP)*

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/31/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: <u>Pt. Cloudy, 75° F</u>
<b>Remedy Includes:</b> (Check all that apply) <div style="margin-top: 10px;"> <input type="checkbox"/> Access Controls _____  <input checked="" type="checkbox"/> Institutional Controls <u>Deed restrictions, restrictive covenants</u>  <input type="checkbox"/> Groundwater Monitoring _____  <input type="checkbox"/> Other: _____         </div>	

V. INSTITUTIONAL CONTROLS			
<b>A. Institutional Controls (ICs)</b>		<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A
<b>1. Implementation and Enforcement</b>			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>			
Frequency: <u>Every five years</u>			
Responsible party/agency: <u>Air Force Real Property Agency (AFRPA)</u>			
Contact: <u>David Strainge</u>	<u>BRAC Environmental Coordinator</u>	<u>(207) 328-7109 x107</u>	
	Name	Title	Phone Number
Specific requirements in decision documents have been met <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Violations have been reported <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
(N/A means that there were no violations for which reporting was necessary)			
Other problems or suggestions: _____ _____ _____ _____			

2.	<b>Adequacy</b> <input checked="" type="checkbox"/> ICs are adequate <input type="checkbox"/> ICs are inadequate Remarks: _____ _____ _____ _____
----	---

<b>B. General</b>	
1.	<b>Land use changes on site</b> <input type="checkbox"/> Yes ( <i>describe below</i> ) <input checked="" type="checkbox"/> No changes in on-site land use evident Remarks: _____ _____ _____ _____
2.	<b>Land use changes off site</b> <input type="checkbox"/> Yes ( <i>describe below</i> ) <input checked="" type="checkbox"/> No changes in off-site land use evident Remarks: _____ _____ _____ _____
3.	<b>Well Installation (except groundwater monitoring wells)</b> <input type="checkbox"/> Yes ( <i>describe below</i> ) <input checked="" type="checkbox"/> No wells have been installed Remarks: _____ _____ _____ _____

Note:

<sup>1</sup> This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance*, June 2001. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

# Site Inspection Checklist<sup>1</sup>

*Oil/Water Separator No. 2909 (OWS-2909)*

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/31/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: <u>Pt. Cloudy, 75° F</u>
Remedy Includes: (Check all that apply) <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;"> <input type="checkbox"/> Access Controls  <input checked="" type="checkbox"/> Institutional Controls  <input type="checkbox"/> Groundwater Monitoring  <input type="checkbox"/> Other: _____             </div> <div style="width: 50%;">               _____  <u>Deed restrictions, restrictive covenants</u>                _____                _____             </div> </div>	

V. INSTITUTIONAL CONTROLS			
A. Institutional Controls (ICs)	<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A	
1. Implementation and Enforcement			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>			
Frequency: <u>Every five years</u>			
Responsible party/agency: <u>Air Force Real Property Agency (AFRPA)</u>			
Contact: <u>David Strainge</u>	<u>BRAC Environmental Coordinator</u>	<u>(207) 328-7109 x107</u>	
Name	Title	Phone Number	
Specific requirements in decision documents have been met <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Violations have been reported <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
(N/A means that there were no violations for which reporting was necessary)			
Other problems or suggestions: _____			
_____			
_____			
_____			



2. Adequacy

☒ ICs are adequate

☐ ICs are inadequate

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

B. General

1. Land use changes on site

☐ Yes (describe below)

☒ No changes in on-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. Land use changes off site

☒ Yes (describe below)

☐ No changes in off-site land use evident

Remarks: A Signature Flight Support Building  
is now present west of the site. Land  
use remains commercial/industrial off-site.

3. Well Installation (except groundwater monitoring wells)

☐ Yes (describe below)

☒ No wells have been installed

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Note:

<sup>1</sup> This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance*, June 2001. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

# Site Inspection Checklist<sup>1</sup>

*Oil/Water Separator No. 63B (OWS-63B)*

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/31/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: <u>Pt. Cloudy, 75° F</u>
Remedy Includes: (Check all that apply) <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;"> <input type="checkbox"/> Access Controls  <input checked="" type="checkbox"/> Institutional Controls  <input type="checkbox"/> Groundwater Monitoring  <input type="checkbox"/> Other: _____             </div> <div style="width: 50%;">   <u>Deed restrictions, restrictive covenants</u>      </div> </div>	

V. INSTITUTIONAL CONTROLS			
<b>A. Institutional Controls (ICs)</b>		<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A
<b>1. Implementation and Enforcement</b>			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>			
Frequency: <u>Every five years</u>			
Responsible party/agency: <u>Air Force Real Property Agency (AFRPA)</u>			
Contact: <u>David Strainge</u>	<u>BRAC Environmental Coordinator</u>	<u>(207) 328-7109 x107</u>	
Name	Title	Phone Number	
Specific requirements in decision documents have been met		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Violations have been reported		<input type="checkbox"/> Yes	<input type="checkbox"/> No
		<input checked="" type="checkbox"/> N/A	
(N/A means that there were no violations for which reporting was necessary)			
Other problems or suggestions: _____			
_____			
_____			
_____			

2. **Adequacy**

☒ ICs are adequate

☐ ICs are inadequate

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**B. General**

1. **Land use changes on site**

☐ Yes (*describe below*)

☒ No changes in on-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. **Land use changes off site**

☐ Yes (*describe below*)

☒ No changes in off-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. **Well Installation (except groundwater monitoring wells)**

☐ Yes (*describe below*)

☒ No wells have been installed

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Note:**

<sup>1</sup> This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance*, June 2001. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

# Site Inspection Checklist<sup>1</sup>

*Oil/Water Separator No. 30B (OWS-30B)*

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/31/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: <u>Pt. Cloudy, 75° F</u>
Remedy Includes: (Check all that apply)	
<input type="checkbox"/> Access Controls	_____
<input checked="" type="checkbox"/> Institutional Controls	<u>Deed restrictions, restrictive covenants</u>
<input type="checkbox"/> Groundwater Monitoring	_____
<input type="checkbox"/> Other: _____	_____

V. INSTITUTIONAL CONTROLS			
A. Institutional Controls (ICs)		<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A
1. Implementation and Enforcement			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>			
Frequency: <u>Every five years</u>			
Responsible party/agency: <u>Air Force Real Property Agency (AFRPA)</u>			
Contact: <u>David Strainge</u>	<u>BRAC Environmental Coordinator</u>	<u>(207) 328-7109 x107</u>	
Name	Title	Phone Number	
Specific requirements in decision documents have been met	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Violations have been reported	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
(N/A means that there were no violations for which reporting was necessary)			
Other problems or suggestions: _____			
_____			
_____			
_____			

2. **Adequacy**

☒ ICs are adequate

☐ ICs are inadequate

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**B. General**

1. **Land use changes on site**

☐ Yes (*describe below*)

☒ No changes in on-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. **Land use changes off site**

☐ Yes (*describe below*)

☒ No changes in off-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. **Well Installation (except groundwater monitoring wells)**

☐ Yes (*describe below*)

☒ No wells have been installed

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Note:**

<sup>1</sup> This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance*, June 2001. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

(UST-1902A/B)

# Site Inspection Checklist<sup>1</sup>

Underground Storage Tank Nos. 1902A and 1902B

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/31/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: <u>Pt. Cloudy, 75° F</u>
<b>Remedy Includes:</b> (Check all that apply) <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="width: 45%;"> <input type="checkbox"/> Access Controls  <input checked="" type="checkbox"/> Institutional Controls  <input type="checkbox"/> Groundwater Monitoring  <input type="checkbox"/> Other: _____         </div> <div style="width: 50%;">           _____  <u>Deed restrictions, restrictive covenants</u>            _____            _____         </div> </div>	

V. INSTITUTIONAL CONTROLS			
<b>A. Institutional Controls (ICs)</b>		<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A
<b>1. Implementation and Enforcement</b>			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>			
Frequency: <u>Every five years</u>			
Responsible party/agency: <u>Air Force Real Property Agency (AFRPA)</u>			
Contact: <u>David Strainge</u>	<u>BRAC Environmental Coordinator</u>	<u>(207) 328-7109 x107</u>	
Name	Title	Phone Number	
Specific requirements in decision documents have been met <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Violations have been reported <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
(N/A means that there were no violations for which reporting was necessary)			
Other problems or suggestions: _____			
_____			
_____			
_____			

2. **Adequacy**

☒ ICs are adequate

☐ ICs are inadequate

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**B. General**

1. **Land use changes on site**

☐ Yes (*describe below*)

☒ No changes in on-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. **Land use changes off site**

☐ Yes (*describe below*)

☒ No changes in off-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. **Well Installation (except groundwater monitoring wells)**

☐ Yes (*describe below*)

☒ No wells have been installed

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Note:**

This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance*, June 2001. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

# Oil / Water Separator No. 19C (OWS-19C)

## Site Inspection Checklist<sup>1</sup>

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/31/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: <u>Pt. Cloudy, 75° F</u>
<b>Remedy Includes: (Check all that apply)</b> <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Access Controls  <input checked="" type="checkbox"/> Institutional Controls  <input type="checkbox"/> Groundwater Monitoring  <input type="checkbox"/> Other: _____                 </div> <div>                     _____  <u>Deed restrictions, restrictive covenants</u>                      _____                      _____                 </div> </div>	

V. INSTITUTIONAL CONTROLS			
<b>A. Institutional Controls (ICs)</b>		<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A
<b>1. Implementation and Enforcement</b>			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>			
Frequency: <u>Every five years</u>			
Responsible party / agency: <u>Air Force Real Property Agency (AFRPA)</u>			
Contact: <u>David Strainge</u>	<u>BRAC Environmental Coordinator</u>	<u>(207) 328-7109 x107</u>	
Name	Title	Phone Number	
Specific requirements in decision documents have been met		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A
Violations have been reported		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
(N/A means that there were no violations for which reporting was necessary)			
Other problems or suggestions: _____			
_____			
_____			
_____			



2. **Adequacy**

- ☒ ICs are adequate  
☐ ICs are inadequate

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**B. General**

1. **Land use changes on site**

- ☐ Yes (*describe below*)  
☒ No changes in on-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. **Land use changes off site**

- ☐ Yes (*describe below*)  
☒ No changes in off-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. **Well Installation (except groundwater monitoring wells)**

- ☐ Yes (*describe below*)  
☒ No wells have been installed

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Note:**

This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance*, June 2001. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

(OWS-66A/B)

**Site Inspection Checklist<sup>1</sup>**

*Oil / Water Separator Nos. 66A and 66B*

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/31/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: <u>Pt. Cloudy, 75°F</u>
<b>Remedy Includes:</b> (Check all that apply)	
<input type="checkbox"/> Access Controls _____	
<input checked="" type="checkbox"/> Institutional Controls	<u>Deed restrictions, restrictive covenants</u>
<input type="checkbox"/> Groundwater Monitoring _____	
<input type="checkbox"/> Other: _____	

V. INSTITUTIONAL CONTROLS			
<b>A. Institutional Controls (ICs)</b>	<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A	
<b>1. Implementation and Enforcement</b>			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>			
Frequency: <u>Every five years</u>			
Responsible party/agency: <u>Air Force Real Property Agency (AFRPA)</u>			
Contact: <u>David Strainge</u>	<u>BRAC Environmental Coordinator</u>	<u>(207) 328-7109 x107</u>	
	Name	Title	Phone Number
Specific requirements in decision documents have been met <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Violations have been reported <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
(N/A means that there were no violations for which reporting was necessary)			
Other problems or suggestions: _____			
_____			
_____			
_____			

2. Adequacy

- ☒ ICs are adequate  
☐ ICs are inadequate

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

B. General

1. Land use changes on site

- ☐ Yes (describe below)  
☒ No changes in on-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. Land use changes off site

- ☒ Yes (describe below)  
☐ No changes in off-site land use evident

Remarks: A Signature Flight Support Building is  
now present west of oil/water separators 66A/B.  
Land use remains commercial/industrial  
off-site.

3. Well Installation (except groundwater monitoring wells)

- ☐ Yes (describe below)  
☒ No wells have been installed

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Note:

<sup>1</sup> This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance*, June 2001. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

# Site Inspection Checklist<sup>1</sup>

*Former Paint Shop (OTH-8-1)*

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/31/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: <u>Pt. Cloudy, 75° F</u>
Remedy Includes: (Check all that apply)	
<input type="checkbox"/> Access Controls	_____
<input checked="" type="checkbox"/> Institutional Controls	<u>Deed restrictions, restrictive covenants</u>
<input type="checkbox"/> Groundwater Monitoring	_____
<input type="checkbox"/> Other: _____	_____

V. INSTITUTIONAL CONTROLS			
A. Institutional Controls (ICs)		<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A
1. Implementation and Enforcement			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>			
Frequency: <u>Every five years</u>			
Responsible party/agency: <u>Air Force Real Property Agency (AFRPA)</u>			
Contact: <u>David Strainge</u>	<u>BRAC Environmental Coordinator</u>	<u>(207) 328-7109 x107</u>	
Name	Title	Phone Number	
Specific requirements in decision documents have been met		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A
Violations have been reported		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
(N/A means that there were no violations for which reporting was necessary)			
Other problems or suggestions: _____			
_____			
_____			
_____			

2. **Adequacy**

- ☒ ICs are adequate  
☐ ICs are inadequate

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**B. General**

1. **Land use changes on site**

- ☐ Yes (*describe below*)  
☒ No changes in on-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. **Land use changes off site**

- ☐ Yes (*describe below*)  
☒ No changes in off-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. **Well Installation (except groundwater monitoring wells)**

- ☐ Yes (*describe below*)  
☒ No wells have been installed

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Note:**

<sup>1</sup> This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance*, June 2001. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

# Site Inspection Checklist

*Building 74 Hydraulic Lift Systems (STM-74)*

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/31/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: <u>Pt. Cloudy, 75° F</u>
Remedy Includes: (Check all that apply) <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;"> <input type="checkbox"/> Access Controls  <input checked="" type="checkbox"/> Institutional Controls  <input type="checkbox"/> Groundwater Monitoring  <input type="checkbox"/> Other: _____             </div> <div style="width: 50%;">   <u>Deed restrictions, restrictive covenants</u>      </div> </div>	

V. INSTITUTIONAL CONTROLS			
A. Institutional Controls (ICs)		<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A
1. Implementation and Enforcement			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>			
Frequency: <u>Every five years</u>			
Responsible party/agency: <u>Air Force Real Property Agency (AFRPA)</u>			
Contact: <u>David Strange</u>	<u>BRAC Environmental Coordinator</u>	<u>(207) 328-7109 x107</u>	
Name	Title	Phone Number	
Specific requirements in decision documents have been met <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Violations have been reported <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
(N/A means that there were no violations for which reporting was necessary)			
Other problems or suggestions: _____			
_____			
_____			
_____			

2.	<b>Adequacy</b> <input checked="" type="checkbox"/> ICs are adequate <input type="checkbox"/> ICs are inadequate Remarks: _____ _____ _____ _____
----	---

<b>B. General</b>	
1.	<b>Land use changes on site</b> <input type="checkbox"/> Yes ( <i>describe below</i> ) <input checked="" type="checkbox"/> No changes in on-site land use evident Remarks: _____ _____ _____ _____
2.	<b>Land use changes off site</b> <input type="checkbox"/> Yes ( <i>describe below</i> ) <input checked="" type="checkbox"/> No changes in off-site land use evident Remarks: _____ _____ _____ _____
3.	<b>Well Installation (except groundwater monitoring wells)</b> <input type="checkbox"/> Yes ( <i>describe below</i> ) <input checked="" type="checkbox"/> No wells have been installed Remarks: _____ _____ _____ _____

**Note:**

<sup>1</sup> This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance*, June 2001. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

# Site Inspection Checklist<sup>1</sup>

Underground Storage Tank No. 12A (UST-12A)

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/31/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: <u>Pt. Cloudy, 75°F</u>
Remedy Includes: (Check all that apply)	
<input type="checkbox"/> Access Controls _____ <input checked="" type="checkbox"/> Institutional Controls <u>Deed restrictions, restrictive covenants</u> <input type="checkbox"/> Groundwater Monitoring _____ <input type="checkbox"/> Other: _____	

V. INSTITUTIONAL CONTROLS			
A. Institutional Controls (ICs)		<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A
1. Implementation and Enforcement			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>			
Frequency: <u>Every five years</u>			
Responsible party/agency: <u>Air Force Real Property Agency (AFRPA)</u>			
Contact: <u>David Strainge</u>	<u>BRAC Environmental Coordinator</u>	<u>(207) 328-7109 x107</u>	
Name	Title	Phone Number	
Specific requirements in decision documents have been met		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A
Violations have been reported		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
(N/A means that there were no violations for which reporting was necessary)			
Other problems or suggestions: _____			
_____			
_____			
_____			



2.	<b>Adequacy</b> <input checked="" type="checkbox"/> ICs are adequate <input type="checkbox"/> ICs are inadequate Remarks: _____ _____ _____ _____
----	---

<b>B. General</b>	
1.	<b>Land use changes on site</b> <input type="checkbox"/> Yes ( <i>describe below</i> ) <input checked="" type="checkbox"/> No changes in on-site land use evident Remarks: _____ _____ _____ _____
2.	<b>Land use changes off site</b> <input type="checkbox"/> Yes ( <i>describe below</i> ) <input checked="" type="checkbox"/> No changes in off-site land use evident Remarks: _____ _____ _____ _____
3.	<b>Well Installation (except groundwater monitoring wells)</b> <input type="checkbox"/> Yes ( <i>describe below</i> ) <input checked="" type="checkbox"/> No wells have been installed Remarks: _____ _____ _____ _____

**Note:**

<sup>1</sup> This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance*, June 2001. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

# Site Inspection Checklist<sup>1</sup>

Underground Storage Tank No. 12B (UST-12B)

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/31/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: <u>Pt. Cloudy, 75° F</u>
Remedy Includes: (Check all that apply)	
<input type="checkbox"/> Access Controls	_____
<input checked="" type="checkbox"/> Institutional Controls	<u>Deed restrictions, restrictive covenants</u>
<input type="checkbox"/> Groundwater Monitoring	_____
<input type="checkbox"/> Other: _____	_____

V. INSTITUTIONAL CONTROLS			
A. Institutional Controls (ICs)		<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A
1. Implementation and Enforcement			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>			
Frequency: <u>Every five years</u>			
Responsible party/agency: <u>Air Force Real Property Agency (AFRPA)</u>			
Contact: <u>David Strange</u>	<u>BRAC Environmental Coordinator</u>	<u>(207) 328-7109 x107</u>	
Name	Title	Phone Number	
Specific requirements in decision documents have been met		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A
Violations have been reported		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
(N/A means that there were no violations for which reporting was necessary)			
Other problems or suggestions: _____			
_____			
_____			
_____			

2. **Adequacy**

- ☒ ICs are adequate  
☐ ICs are inadequate

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**B. General**

1. **Land use changes on site**

- ☐ Yes (*describe below*)  
☒ No changes in on-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. **Land use changes off site**

- ☐ Yes (*describe below*)  
☒ No changes in off-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. **Well Installation (except groundwater monitoring wells)**

- ☐ Yes (*describe below*)  
☒ No wells have been installed

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Note:**

<sup>1</sup> This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance*, June 2001. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

# Site Inspection Checklist<sup>1</sup>

Underground Storage Tank No. 26A (UST-26A)

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/31/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: <u>Pt. Cloudy, 75° F</u>
Remedy Includes: (Check all that apply)	
<input type="checkbox"/> Access Controls	_____
<input checked="" type="checkbox"/> Institutional Controls	<u>Deed restrictions, restrictive covenants</u>
<input type="checkbox"/> Groundwater Monitoring	_____
<input type="checkbox"/> Other: _____	_____

V. INSTITUTIONAL CONTROLS			
A. Institutional Controls (ICs)		<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A
1. Implementation and Enforcement			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>			
Frequency: <u>Every five years</u>			
Responsible party/agency: <u>Air Force Real Property Agency (AFRPA)</u>			
Contact: <u>David Strainge</u>	<u>BRAC Environmental Coordinator</u>	<u>(207) 328-7109 x107</u>	
Name	Title	Phone Number	
Specific requirements in decision documents have been met		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A
Violations have been reported		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
(N/A means that there were no violations for which reporting was necessary)			
Other problems or suggestions: _____			
_____			
_____			
_____			

2.	<b>Adequacy</b> <input checked="" type="checkbox"/> ICs are adequate <input type="checkbox"/> ICs are inadequate Remarks: _____ _____ _____ _____
----	---

<b>B. General</b>	
1.	<b>Land use changes on site</b> <input type="checkbox"/> Yes ( <i>describe below</i> ) <input checked="" type="checkbox"/> No changes in on-site land use evident Remarks: _____ _____ _____ _____
2.	<b>Land use changes off site</b> <input type="checkbox"/> Yes ( <i>describe below</i> ) <input checked="" type="checkbox"/> No changes in off-site land use evident Remarks: _____ _____ _____ _____
3.	<b>Well Installation (except groundwater monitoring wells)</b> <input type="checkbox"/> Yes ( <i>describe below</i> ) <input checked="" type="checkbox"/> No wells have been installed Remarks: _____ _____ _____ _____

Note:

<sup>1</sup> This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance*, June 2001. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

# Site Inspection Checklist<sup>1</sup>

Underground Storage Tank No. 1903 (UST-1903)

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/31/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: <u>Pt. Cloudy, 75° F</u>
<b>Remedy Includes:</b> (Check all that apply) <input type="checkbox"/> Access Controls _____ <input checked="" type="checkbox"/> Institutional Controls <u>Deed restrictions, restrictive covenants</u> <input type="checkbox"/> Groundwater Monitoring _____ <input type="checkbox"/> Other: _____	

V. INSTITUTIONAL CONTROLS			
<b>A. Institutional Controls (ICs)</b>		<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A
<b>1. Implementation and Enforcement</b>			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>			
Frequency: <u>Every five years</u>			
Responsible party/agency: <u>Air Force Real Property Agency (AFRPA)</u>			
Contact: <u>David Strainge</u>	<u>BRAC Environmental Coordinator</u>	<u>(207) 328-7109 x107</u>	
Name	Title	Phone Number	
Specific requirements in decision documents have been met	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Violations have been reported	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
(N/A means that there were no violations for which reporting was necessary)			
Other problems or suggestions: _____			
_____			
_____			
_____			

2. **Adequacy**

- ☒ ICs are adequate  
☐ ICs are inadequate

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**B. General**

1. **Land use changes on site**

- ☐ Yes (*describe below*)  
☒ No changes in on-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. **Land use changes off site**

- ☐ Yes (*describe below*)  
☒ No changes in off-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. **Well Installation (except groundwater monitoring wells)**

- ☐ Yes (*describe below*)  
☒ No wells have been installed

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Note:**

<sup>1</sup> This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance*, June 2001. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

# Site Inspection Checklist<sup>1</sup>

Underground Storage Tank No. 400 (UST-400)

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/31/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: <u>pt. Cloudy, 75° F</u>
Remedy Includes: (Check all that apply)	
<input type="checkbox"/> Access Controls <input checked="" type="checkbox"/> Institutional Controls <u>Deed restrictions, restrictive covenants</u> <input type="checkbox"/> Groundwater Monitoring <input type="checkbox"/> Other: _____	

V. INSTITUTIONAL CONTROLS			
A. Institutional Controls (ICs)		<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A
1. Implementation and Enforcement			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>			
Frequency: <u>Every five years</u>			
Responsible party/agency: <u>Air Force Real Property Agency (AFRPA)</u>			
Contact: <u>David Strainge</u>	<u>BRAC Environmental Coordinator</u>	<u>(207) 328-7109 x107</u>	
	Name	Title	Phone Number
Specific requirements in decision documents have been met	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Violations have been reported	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
(N/A means that there were no violations for which reporting was necessary)			
Other problems or suggestions: _____			
_____			
_____			
_____			



2. **Adequacy**

☒ ICs are adequate

☐ ICs are inadequate

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**B. General**

1. **Land use changes on site**

☐ Yes (*describe below*)

☒ No changes in on-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. **Land use changes off site**

☐ Yes (*describe below*)

☒ No changes in off-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. **Well Installation (except groundwater monitoring wells)**

☐ Yes (*describe below*)

☒ No wells have been installed

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Note:**

<sup>1</sup> This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance*, June 2001. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

# Site Inspection Checklist<sup>1</sup>

*Underground Storage Tank No. 17A (UST-17A)*

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/31/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: <u>Pt. Cloudy, 75° F</u>
<b>Remedy Includes:</b> (Check all that apply) <div style="margin-top: 10px;"> <input type="checkbox"/> Access Controls _____  <input checked="" type="checkbox"/> Institutional Controls <u>Deed restrictions, restrictive covenants</u>  <input type="checkbox"/> Groundwater Monitoring _____  <input type="checkbox"/> Other: _____         </div>	

V. INSTITUTIONAL CONTROLS			
<b>A. Institutional Controls (ICs)</b>		<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A
<b>1. Implementation and Enforcement</b>			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>			
Frequency: <u>Every five years</u>			
Responsible party/agency: <u>Air Force Real Property Agency (AFRPA)</u>			
Contact: <u>David Strainge</u>	<u>BRAC Environmental Coordinator</u>	<u>(207) 328-7109 x107</u>	
	Name	Title	Phone Number
Specific requirements in decision documents have been met <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Violations have been reported <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
(N/A means that there were no violations for which reporting was necessary)			
Other problems or suggestions: _____ _____ _____ _____			

2. **Adequacy**

☒ ICs are adequate

☐ ICs are inadequate

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**B. General**

1. **Land use changes on site**

☐ Yes (*describe below*)

☒ No changes in on-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. **Land use changes off site**

☐ Yes (*describe below*)

☒ No changes in off-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. **Well Installation (except groundwater monitoring wells)**

☐ Yes (*describe below*)

☒ No wells have been installed

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Note:**

<sup>1</sup> This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance*, June 2001. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

# Oil/Water Separator No. 74D (OWS-74D)

## Site Inspection Checklist<sup>1</sup>

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/31/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: <u>Pt. Cloudy, 75° F</u>
<b>Remedy Includes: (Check all that apply)</b> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> Access Controls  <input checked="" type="checkbox"/> Institutional Controls  <input type="checkbox"/> Groundwater Monitoring  <input type="checkbox"/> Other: _____                 </div> <div style="width: 50%;"> <div style="border-bottom: 1px solid black; margin-bottom: 5px;">Deed restrictions, restrictive covenants</div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> </div> </div>	

V. INSTITUTIONAL CONTROLS			
<b>A. Institutional Controls (ICs)</b>	<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A	
<b>1. Implementation and Enforcement</b>			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>			
Frequency: <u>Every five years</u>			
Responsible party/agency: <u>Air Force Real Property Agency (AFRPA)</u>			
Contact: <u>David Strainge</u>	<u>BRAC Environmental Coordinator</u>	<u>(207) 328-7109 x107</u>	
Name	Title	Phone Number	
Specific requirements in decision documents have been met <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Violations have been reported <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
(N/A means that there were no violations for which reporting was necessary)			
Other problems or suggestions: _____ _____ _____ _____			

2. **Adequacy**

☒ ICs are adequate

☐ ICs are inadequate

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**B. General**

1. **Land use changes on site**

☐ Yes (*describe below*)

☒ No changes in on-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. **Land use changes off site**

☐ Yes (*describe below*)

☒ No changes in off-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. **Well Installation (except groundwater monitoring wells)**

☐ Yes (*describe below*)

☒ No wells have been installed

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Note:**

<sup>1</sup> This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance*, June 2001. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

# Site Inspection Checklist<sup>1</sup>

*Oil/Water Separator No. 55A (OWS-55A)*

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/31/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: <u>Pt. Cloudy, 75° F</u>
<b>Remedy Includes:</b> (Check all that apply) <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div> <input type="checkbox"/> Access Controls  <input checked="" type="checkbox"/> Institutional Controls  <input type="checkbox"/> Groundwater Monitoring  <input type="checkbox"/> Other: _____         </div> <div>           _____  <u>Deed restrictions, restrictive covenants</u>            _____            _____         </div> </div>	

V. INSTITUTIONAL CONTROLS			
<b>A. Institutional Controls (ICs)</b>		<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A
<b>1. Implementation and Enforcement</b>			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>			
Frequency: <u>Every five years</u>			
Responsible party/agency: <u>Air Force Real Property Agency (AFRPA)</u>			
Contact: <u>David Strainge</u>	<u>BRAC Environmental Coordinator</u>	<u>(207) 328-7109 x107</u>	
Name	Title	Phone Number	
Specific requirements in decision documents have been met	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Violations have been reported	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
(N/A means that there were no violations for which reporting was necessary)			
Other problems or suggestions: _____			
_____			
_____			
_____			

2. **Adequacy**

☒ ICs are adequate

☐ ICs are inadequate

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**B. General**

1. **Land use changes on site**

☐ Yes (*describe below*)

☒ No changes in on-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. **Land use changes off site**

☐ Yes (*describe below*)

☒ No changes in off-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. **Well Installation (except groundwater monitoring wells)**

☐ Yes (*describe below*)

☒ No wells have been installed

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Note:**

This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance*, June 2001. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

# Site Inspection Checklist<sup>1</sup>

*oil/water separator No. 43 (OWS-43)*

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/31/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: <u>Pt. Cloudy, 75° F</u>
Remedy Includes: (Check all that apply)	
<input type="checkbox"/> Access Controls	_____
<input checked="" type="checkbox"/> Institutional Controls	<u>Deed restrictions, restrictive covenants</u>
<input type="checkbox"/> Groundwater Monitoring	_____
<input type="checkbox"/> Other: _____	_____

V. INSTITUTIONAL CONTROLS			
A. Institutional Controls (ICs)		<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A
1. Implementation and Enforcement			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>			
Frequency: <u>Every five years</u>			
Responsible party/agency: <u>Air Force Real Property Agency (AFRPA)</u>			
Contact: <u>David Strainge</u>	<u>BRAC Environmental Coordinator</u>	<u>(207) 328-7109 x107</u>	
Name	Title	Phone Number	
Specific requirements in decision documents have been met		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A
Violations have been reported		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
(N/A means that there were no violations for which reporting was necessary)			
Other problems or suggestions: _____			
_____			
_____			
_____			



2. **Adequacy**

- ☒ ICs are adequate  
☐ ICs are inadequate

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**B. General**

1. **Land use changes on site**

- ☐ Yes (*describe below*)  
☒ No changes in on-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. **Land use changes off site**

- ☐ Yes (*describe below*)  
☒ No changes in off-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. **Well Installation (except groundwater monitoring wells)**

- ☐ Yes (*describe below*)  
☒ No wells have been installed

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Note:**

This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance*, June 2001. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

# Oil/water Separator No. 70A (OWS-70A)

## Site Inspection Checklist<sup>1</sup>

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/31/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: <u>pt. Cloudy, 75°F</u>
Remedy Includes: (Check all that apply) <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;"> <input type="checkbox"/> Access Controls  <input checked="" type="checkbox"/> Institutional Controls  <input type="checkbox"/> Groundwater Monitoring  <input type="checkbox"/> Other: _____             </div> <div style="width: 50%;"> <div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black;"></div> </div> </div>	

V. INSTITUTIONAL CONTROLS			
<b>A. Institutional Controls (ICs)</b>	<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A	
<b>1. Implementation and Enforcement</b>			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>			
Frequency: <u>Every five years</u>			
Responsible party/agency: <u>Air Force Real Property Agency (AFRPA)</u>			
Contact: <u>David Strainge</u>	<u>BRAC Environmental Coordinator</u>	<u>(207) 328-7109 x107</u>	
Name	Title	Phone Number	
Specific requirements in decision documents have been met	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Violations have been reported	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
(N/A means that there were no violations for which reporting was necessary)			
Other problems or suggestions: _____			
_____			
_____			
_____			

2.	<b>Adequacy</b> <input checked="" type="checkbox"/> ICs are adequate <input type="checkbox"/> ICs are inadequate Remarks: _____ _____ _____ _____
----	---

<b>B. General</b>	
1.	<b>Land use changes on site</b> <input type="checkbox"/> Yes ( <i>describe below</i> ) <input checked="" type="checkbox"/> No changes in on-site land use evident Remarks: _____ _____ _____ _____
2.	<b>Land use changes off site</b> <input type="checkbox"/> Yes ( <i>describe below</i> ) <input checked="" type="checkbox"/> No changes in off-site land use evident Remarks: _____ _____ _____ _____
3.	<b>Well Installation (except groundwater monitoring wells)</b> <input type="checkbox"/> Yes ( <i>describe below</i> ) <input checked="" type="checkbox"/> No wells have been installed Remarks: _____ _____ _____ _____

**Note:**

<sup>1</sup> This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance*, June 2001. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

# Site Inspection Checklist<sup>1</sup>

*Oil/Water Separator No. 72c (OWS-72c)*

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/31/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: <u>Pt. Cloudy, 75° F</u>
<b>Remedy Includes:</b> (Check all that apply)	
<input type="checkbox"/> Access Controls _____	
<input checked="" type="checkbox"/> Institutional Controls <u>Deed restrictions, restrictive covenants</u>	
<input type="checkbox"/> Groundwater Monitoring _____	
<input type="checkbox"/> Other: _____	

V. INSTITUTIONAL CONTROLS			
<b>A. Institutional Controls (ICs)</b>	<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A	
<b>1. Implementation and Enforcement</b>			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>			
Frequency: <u>Every five years</u>			
Responsible party/agency: <u>Air Force Real Property Agency (AFRPA)</u>			
Contact: <u>David Strainge</u>	<u>BRAC Environmental Coordinator</u>	<u>(207) 328-7109 x107</u>	
Name	Title	Phone Number	
Specific requirements in decision documents have been met <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Violations have been reported <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
(N/A means that there were no violations for which reporting was necessary)			
Other problems or suggestions: _____			
_____			
_____			
_____			

2.	<b>Adequacy</b> <input checked="" type="checkbox"/> ICs are adequate <input type="checkbox"/> ICs are inadequate Remarks: _____ _____ _____ _____
----	---

<b>B. General</b>	
1.	<b>Land use changes on site</b> <input type="checkbox"/> Yes ( <i>describe below</i> ) <input checked="" type="checkbox"/> No changes in on-site land use evident Remarks: _____ _____ _____ _____
2.	<b>Land use changes off site</b> <input type="checkbox"/> Yes ( <i>describe below</i> ) <input checked="" type="checkbox"/> No changes in off-site land use evident Remarks: _____ _____ _____ _____
3.	<b>Well Installation (except groundwater monitoring wells)</b> <input type="checkbox"/> Yes ( <i>describe below</i> ) <input checked="" type="checkbox"/> No wells have been installed Remarks: _____ _____ _____ _____

**Note:**

This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance, June 2001*. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

# Site Inspection Checklist<sup>1</sup>

*Former Incinerator (OTH-13)*

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/13/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: _____
<b>Remedy Includes: (Check all that apply)</b> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> Access Controls  <input checked="" type="checkbox"/> Institutional Controls  <input type="checkbox"/> Groundwater Monitoring  <input type="checkbox"/> Other: _____                 </div> <div style="width: 50%;"> <div style="border-bottom: 1px solid black; margin-bottom: 5px;"><u>Deed restrictions, restrictive covenants</u></div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black;"></div> </div> </div>	

V. INSTITUTIONAL CONTROLS			
<b>A. Institutional Controls (ICs)</b>	<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A	
<b>1. Implementation and Enforcement</b>			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>			
Frequency: <u>Every five years</u>			
Responsible party/agency: <u>Air Force Real Property Agency (AFRPA)</u>			
Contact: <u>David Strainge</u>	<u>BRAC Environmental Coordinator</u>	<u>(207) 328-7109 x107</u>	
Name	Title	Phone Number	
Specific requirements in decision documents have been met <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Violations have been reported <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
(N/A means that there were no violations for which reporting was necessary)			
Other problems or suggestions: _____ _____ _____ _____			

2. **Adequacy**

☒ ICs are adequate

☐ ICs are inadequate

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**B. General**

1. **Land use changes on site**

☐ Yes (*describe below*)

☒ No changes in on-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. **Land use changes off site**

☐ Yes (*describe below*)

☒ No changes in off-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. **Well Installation (except groundwater monitoring wells)**

☐ Yes (*describe below*)

☒ No wells have been installed

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Note:**

<sup>1</sup> This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance*, June 2001. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

# Suspected Former Fire Training Area (OT H-FT)

## Site Inspection Checklist

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/31/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: <u>Pt. Cloudy, 75° F</u>
<b>Remedy Includes: (Check all that apply)</b> <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Access Controls  <input checked="" type="checkbox"/> Institutional Controls  <input type="checkbox"/> Groundwater Monitoring  <input type="checkbox"/> Other: _____                 </div> <div>                     _____  <u>Deed restrictions, restrictive covenants</u>                      _____                      _____                 </div> </div>	

V. INSTITUTIONAL CONTROLS			
<b>A. Institutional Controls (ICs)</b>		<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A
<b>1. Implementation and Enforcement</b>			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>			
Frequency: <u>Every five years</u>			
Responsible party/agency: <u>Air Force Real Property Agency (AFRPA)</u>			
Contact: <u>David Strainge</u>	<u>BRAC Environmental Coordinator</u>	<u>(207) 328-7109 x107</u>	
Name	Title	Phone Number	
Specific requirements in decision documents have been met	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Violations have been reported	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
(N/A means that there were no violations for which reporting was necessary)			
Other problems or suggestions: _____			
_____			
_____			
_____			



2. **Adequacy**

- ☒ ICs are adequate  
☐ ICs are inadequate

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**B. General**

1. **Land use changes on site**

- ☐ Yes (*describe below*)  
☒ No changes in on-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. **Land use changes off site**

- ☐ Yes (*describe below*)  
☒ No changes in off-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. **Well Installation (except groundwater monitoring wells)**

- ☐ Yes (*describe below*)  
☒ No wells have been installed

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Note:**

<sup>1</sup> This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance, June 2001*. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

# Site Inspection Checklist<sup>1</sup>

*Former Aircraft Hangar (OTH-7)*

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/31/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: <u>Pt. Cloudy, 75° F</u>
Remedy Includes: (Check all that apply)	
<input type="checkbox"/> Access Controls <input checked="" type="checkbox"/> Institutional Controls <u>Deed restrictions, restrictive covenants</u> <input type="checkbox"/> Groundwater Monitoring <input type="checkbox"/> Other: _____	

V. INSTITUTIONAL CONTROLS			
A. Institutional Controls (ICs)		<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A
1. Implementation and Enforcement			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>			
Frequency: <u>Every five years</u>			
Responsible party/agency: <u>Air Force Real Property Agency (AFRPA)</u>			
Contact: <u>David Strainge</u>	<u>BRAC Environmental Coordinator</u>	<u>(207) 328-7109 x107</u>	
Name	Title	Phone Number	
Specific requirements in decision documents have been met		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A
Violations have been reported		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
(N/A means that there were no violations for which reporting was necessary)			
Other problems or suggestions: _____			
_____			
_____			
_____			

2. **Adequacy**

☒ ICs are adequate

☐ ICs are inadequate

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**B. General**

1. **Land use changes on site**

☐ Yes (*describe below*)

☒ No changes in on-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. **Land use changes off site**

☐ Yes (*describe below*)

☒ No changes in off-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. **Well Installation (except groundwater monitoring wells)**

☐ Yes (*describe below*)

☒ No wells have been installed

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Note:**

<sup>1</sup> This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance*, June 2001. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

# Site Inspection Checklist<sup>1</sup>

*Aircraft Washrack Pad (OTH-2531-1)*

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/31/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: <u>Pt. Cloudy, 75° F</u>
Remedy Includes: (Check all that apply)	
<input type="checkbox"/> Access Controls	_____
<input checked="" type="checkbox"/> Institutional Controls	<u>Deed restrictions, restrictive covenants</u>
<input type="checkbox"/> Groundwater Monitoring	_____
<input type="checkbox"/> Other: _____	_____

V. INSTITUTIONAL CONTROLS			
A. Institutional Controls (ICs)		<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A
1. Implementation and Enforcement			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>			
Frequency: <u>Every five years</u>			
Responsible party/agency: <u>Air Force Real Property Agency (AFRPA)</u>			
Contact: <u>David Strainge</u>	<u>BRAC Environmental Coordinator</u>	<u>(207) 328-7109 x107</u>	
Name	Title	Phone Number	
Specific requirements in decision documents have been met		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A
Violations have been reported		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
(N/A means that there were no violations for which reporting was necessary)			
Other problems or suggestions: _____			
_____			
_____			
_____			

2. **Adequacy**

☒ ICs are adequate

☐ ICs are inadequate

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**B. General**

1. **Land use changes on site**

☐ Yes (*describe below*)

☒ No changes in on-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. **Land use changes off site**

☐ Yes (*describe below*)

☒ No changes in off-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. **Well Installation (except groundwater monitoring wells)**

☐ Yes (*describe below*)

☒ No wells have been installed

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Note:**

<sup>1</sup> This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance*, June 2001. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

**Site Inspection Checklist<sup>1</sup>**  
*Former Drum Accumulation Area (BTH-2531-2)*

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/31/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: <u>Pt. Cloudy, 75°F</u>
Remedy Includes: (Check all that apply) <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Access Controls  <input checked="" type="checkbox"/> Institutional Controls  <input type="checkbox"/> Groundwater Monitoring  <input type="checkbox"/> Other: _____             </div> <div> <u>Deed restrictions, restrictive covenants</u>      </div> </div>	

V. INSTITUTIONAL CONTROLS			
<b>A. Institutional Controls (ICs)</b>		<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A
<b>1. Implementation and Enforcement</b>			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>			
Frequency: <u>Every five years</u>			
Responsible party/agency: <u>Air Force Real Property Agency (AFRPA)</u>			
Contact: <u>David Strainge</u>	<u>BRAC Environmental Coordinator</u>	<u>(207) 328-7109 x107</u>	
Name	Title	Phone Number	
Specific requirements in decision documents have been met		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A
Violations have been reported		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
(N/A means that there were no violations for which reporting was necessary)			
Other problems or suggestions: _____			
_____			
_____			
_____			

2. Adequacy

☒ ICs are adequate

☐ ICs are inadequate

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**B. General**

1. Land use changes on site

☐ Yes (describe below)

☒ No changes in on-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. Land use changes off site

☐ Yes (describe below)

☒ No changes in off-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. Well Installation (except groundwater monitoring wells)

☐ Yes (describe below)

☒ No wells have been installed

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Note:**

This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance*, June 2001. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

# Site Inspection Checklist<sup>1</sup>

*Handfall No. 1 (OTH-HF-01)*

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/31/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: <u>Pt. Cloudy, 75° F</u>
<b>Remedy Includes:</b> (Check all that apply) <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Access Controls  <input checked="" type="checkbox"/> Institutional Controls  <input type="checkbox"/> Groundwater Monitoring  <input type="checkbox"/> Other: _____         </div> <div>           _____  <u>Deed restrictions, restrictive covenants</u>            _____            _____         </div> </div>	

V. INSTITUTIONAL CONTROLS			
<b>A. Institutional Controls (ICs)</b>		<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A
<b>1. Implementation and Enforcement</b>			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>			
Frequency: <u>Every five years</u>			
Responsible party/agency: <u>Air Force Real Property Agency (AFRPA)</u>			
Contact: <u>David Strainge</u>	<u>BRAC Environmental Coordinator</u>	<u>(207) 328-7109 x107</u>	
Name	Title	Phone Number	
Specific requirements in decision documents have been met	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Violations have been reported	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
(N/A means that there were no violations for which reporting was necessary)			
Other problems or suggestions: _____			
_____			
_____			
_____			



2. **Adequacy**

☒ ICs are adequate

☐ ICs are inadequate

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**B. General**

1. **Land use changes on site**

☐ Yes (*describe below*)

☒ No changes in on-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. **Land use changes off site**

☐ Yes (*describe below*)

☒ No changes in off-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. **Well Installation (except groundwater monitoring wells)**

☐ Yes (*describe below*)

☒ No wells have been installed

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Note:**

<sup>1</sup> This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance*, June 2001. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

# Site Inspection Checklist<sup>1</sup>

*Sanitary Sewer Site (OTH-SS)*

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/31/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: <u>pt. Cloudy, 75° F</u>
Remedy Includes: (Check all that apply)	
<input type="checkbox"/> Access Controls _____ <input checked="" type="checkbox"/> Institutional Controls <u>Deed restrictions, restrictive covenants</u> <input type="checkbox"/> Groundwater Monitoring _____ <input type="checkbox"/> Other: _____	

V. INSTITUTIONAL CONTROLS			
A. Institutional Controls (ICs)		<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A
1. Implementation and Enforcement			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>			
Frequency: <u>Every five years</u>			
Responsible party/agency: <u>Air Force Real Property Agency (AFRPA)</u>			
Contact: <u>David Strange</u>	<u>BRAC Environmental Coordinator</u>	<u>(207) 328-7109 x107</u>	
Name	Title	Phone Number	
Specific requirements in decision documents have been met		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A
Violations have been reported		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
(N/A means that there were no violations for which reporting was necessary)			
Other problems or suggestions: _____			
_____			
_____			
_____			

2. **Adequacy**

☒ ICs are adequate

☐ ICs are inadequate

Remarks: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**B. General**

1. **Land use changes on site**

☐ Yes (*describe below*)

☒ No changes in on-site land use evident

Remarks: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

2. **Land use changes off site**

☐ Yes (*describe below*)

☒ No changes in off-site land use evident

Remarks: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

3. **Well Installation (except groundwater monitoring wells)**

☐ Yes (*describe below*)

☒ No wells have been installed

Remarks: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Note:**

<sup>1</sup> This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance*, June 2001. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

# Site Inspection Checklist<sup>1</sup>

*JP-4 Tank / West POL Area (IRP-ST-002)*

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/31/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: <u>Pt. Cloudy, 75°F</u>
<b>Remedy Includes:</b> (Check all that apply) <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Access Controls  <input checked="" type="checkbox"/> Institutional Controls  <input type="checkbox"/> Groundwater Monitoring  <input type="checkbox"/> Other: _____         </div> <div>           _____  <u>Deed restrictions, restrictive covenants</u>            _____            _____         </div> </div>	

V. INSTITUTIONAL CONTROLS			
<b>A. Institutional Controls (ICs)</b>		<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A
<b>1. Implementation and Enforcement</b>			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>			
Frequency: <u>Every five years</u>			
Responsible party/agency: <u>Air Force Real Property Agency (AFRPA)</u>			
Contact: <u>David Strainge</u>	<u>BRAC Environmental Coordinator</u>	<u>(207) 328-7109 x107</u>	
Name	Title	Phone Number	
Specific requirements in decision documents have been met	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Violations have been reported	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
(N/A means that there were no violations for which reporting was necessary)			
Other problems or suggestions: _____			
_____			
_____			
_____			

2. **Adequacy**

- ☒ ICs are adequate  
☐ ICs are inadequate

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**B. General**

1. **Land use changes on site**

- ☐ Yes (*describe below*)  
☒ No changes in on-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. **Land use changes off site**

- ☐ Yes (*describe below*)  
☒ No changes in off-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. **Well Installation (except groundwater monitoring wells)**

- ☐ Yes (*describe below*)  
☒ No wells have been installed

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Note:**

<sup>1</sup> This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance*, June 2001. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

# Site Inspection Checklist<sup>1</sup>

*Fire Protection Training Area (FRP-FT-003)*

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/31/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: <u>Pt. Cloudy, 75° F</u>
Remedy Includes: (Check all that apply) <div style="margin-top: 10px;"> <input type="checkbox"/> Access Controls           <input checked="" type="checkbox"/> Institutional Controls      <u>Deed restrictions, restrictive covenants</u> <input type="checkbox"/> Groundwater Monitoring           <input type="checkbox"/> Other: _____           </div>	

V. INSTITUTIONAL CONTROLS			
<b>A. Institutional Controls (ICs)</b>		<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A
<b>1. Implementation and Enforcement</b>			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>			
Frequency: <u>Every five years</u>			
Responsible party/agency: <u>Air Force Real Property Agency (AFRPA)</u>			
Contact: <u>David Strainge</u>	<u>BRAC Environmental Coordinator</u>	<u>(207) 328-7109 x107</u>	
Name	Title	Phone Number	
Specific requirements in decision documents have been met	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Violations have been reported	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
(N/A means that there were no violations for which reporting was necessary)			
Other problems or suggestions: _____			
_____			
_____			
_____			

2.	<b>Adequacy</b> <input checked="" type="checkbox"/> ICs are adequate <input type="checkbox"/> ICs are inadequate Remarks: _____ _____ _____ _____
----	---

<b>B. General</b>	
1.	<b>Land use changes on site</b> <input type="checkbox"/> Yes ( <i>describe below</i> ) <input checked="" type="checkbox"/> No changes in on-site land use evident Remarks: _____ _____ _____ _____
2.	<b>Land use changes off site</b> <input type="checkbox"/> Yes ( <i>describe below</i> ) <input checked="" type="checkbox"/> No changes in off-site land use evident Remarks: _____ _____ _____ _____
3.	<b>Well Installation (except groundwater monitoring wells)</b> <input type="checkbox"/> Yes ( <i>describe below</i> ) <input checked="" type="checkbox"/> No wells have been installed Remarks: _____ _____ _____ _____

**Note:**

<sup>1</sup> This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance*, June 2001. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

# Site Inspection Checklist<sup>1</sup>

*Fuel Contaminated Soil Site (TRP-SS-005)*

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/31/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: <u>pt. Cloudy, 75°F</u>
<b>Remedy Includes:</b> (Check all that apply)	
<input type="checkbox"/> Access Controls _____	
<input checked="" type="checkbox"/> Institutional Controls <u>Deed restrictions, restrictive covenants</u>	
<input type="checkbox"/> Groundwater Monitoring _____	
<input type="checkbox"/> Other: _____	

V. INSTITUTIONAL CONTROLS	
<b>A. Institutional Controls (ICs)</b>	<input checked="" type="checkbox"/> Applicable <input type="checkbox"/> N/A
<b>1. Implementation and Enforcement</b>	
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>	
Frequency: <u>Every five years</u>	
Responsible party/agency: <u>Air Force Real Property Agency (AFRPA)</u>	
Contact: <u>David Strainge</u>	<u>BRAC Environmental Coordinator</u> <u>(207) 328-7109 x107</u> Name                                      Title                                      Phone Number
Specific requirements in decision documents have been met <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Violations have been reported <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
(N/A means that there were no violations for which reporting was necessary)	
Other problems or suggestions: _____ _____ _____ _____	



2. **Adequacy**

- ☒ ICs are adequate  
☐ ICs are inadequate

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**B. General**

1. **Land use changes on site**

- ☐ Yes (*describe below*)  
☒ No changes in on-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. **Land use changes off site**

- ☐ Yes (*describe below*)  
☒ No changes in off-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. **Well Installation (except groundwater monitoring wells)**

- ☐ Yes (*describe below*)  
☒ No wells have been installed

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Note:**

<sup>1</sup> This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance*, June 2001. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

# Site Inspection Checklist<sup>1</sup>

*Hazardous Waste Storage Site (IRP-SS-007)*

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/31/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: <u>Pt. Cloudy, 75°F</u>
Remedy Includes: (Check all that apply)	
<input type="checkbox"/> Access Controls <input checked="" type="checkbox"/> Institutional Controls <u>Deed restrictions, restrictive covenants</u> <input type="checkbox"/> Groundwater Monitoring <input type="checkbox"/> Other: _____	

V. INSTITUTIONAL CONTROLS			
A. Institutional Controls (ICs)		<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A
1. Implementation and Enforcement			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>			
Frequency: <u>Every five years</u>			
Responsible party/agency: <u>Air Force Real Property Agency (AFRPA)</u>			
Contact: <u>David Strainge</u>	<u>BRAC Environmental Coordinator</u>	<u>(207) 328-7109 x107</u>	
Name	Title	Phone Number	
Specific requirements in decision documents have been met	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Violations have been reported	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
(N/A means that there were no violations for which reporting was necessary)			
Other problems or suggestions: _____			
_____			
_____			
_____			

2. Adequacy

- ☒ ICs are adequate  
☐ ICs are inadequate

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

B. General

1. Land use changes on site

- ☐ Yes (describe below)  
☒ No changes in on-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. Land use changes off site

- ☒ Yes (describe below)  
☐ No changes in off-site land use evident

Remarks: *A Signature Flight Support Building  
is now present south of the site. Land  
use remains commercial/industrial  
off-site.*

3. Well Installation (except groundwater monitoring wells)

- ☐ Yes (describe below)  
☒ No wells have been installed

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Note:

<sup>1</sup> This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance*, June 2001. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

# Site Inspection Checklist<sup>1</sup>

*South Edge of Concrete Apron (IRP-07-008)*

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/31/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: <u>Pt. Cloudy, 75° F</u>
<b>Remedy Includes:</b> (Check all that apply) <div style="margin-top: 10px;"> <input type="checkbox"/> Access Controls _____  <input checked="" type="checkbox"/> Institutional Controls <u>Deed restrictions, restrictive covenants</u>  <input type="checkbox"/> Groundwater Monitoring _____  <input type="checkbox"/> Other: _____           </div>	

V. INSTITUTIONAL CONTROLS			
<b>A. Institutional Controls (ICs)</b>	<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A	
<b>1. Implementation and Enforcement</b>			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>			
Frequency: <u>Every five years</u>			
Responsible party/agency: <u>Air Force Real Property Agency (AFRPA)</u>			
Contact: <u>David Strainge</u>	<u>BRAC Environmental Coordinator</u>	<u>(207) 328-7109 x107</u>	
Name	Title	Phone Number	
Specific requirements in decision documents have been met <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Violations have been reported <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
(N/A means that there were no violations for which reporting was necessary)			
Other problems or suggestions: _____ _____ _____ _____			

2. Adequacy

- ☒ ICs are adequate  
☐ ICs are inadequate

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

B. General

1. Land use changes on site

- ☐ Yes (describe below)  
☒ No changes in on-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. Land use changes off site

- ☒ Yes (describe below)  
☐ No changes in off-site land use evident

Remarks: *A signature Flight Support Building is now present northwest of this site. Land use remains commercial/industrial off-site.*

3. Well Installation (except groundwater monitoring wells)

- ☐ Yes (describe below)  
☒ No wells have been installed

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Note:

<sup>1</sup> This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance*, June 2001. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

# Site Inspection Checklist<sup>1</sup>

## Vehicle Maintenance Facility (TRP-OT-009)

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/31/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: <u>Pt. Cloudy, 75° F</u>
Remedy Includes: (Check all that apply) <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;"> <input type="checkbox"/> Access Controls  <input checked="" type="checkbox"/> Institutional Controls  <input type="checkbox"/> Groundwater Monitoring  <input type="checkbox"/> Other: _____             </div> <div style="width: 50%;"> <u>Deed restrictions, restrictive covenants</u>      </div> </div>	

V. INSTITUTIONAL CONTROLS			
<b>A. Institutional Controls (ICs)</b>		<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A
<b>1. Implementation and Enforcement</b>			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>			
Frequency: <u>Every five years</u>			
Responsible party/agency: <u>Air Force Real Property Agency (AFRPA)</u>			
Contact: <u>David Strainge</u>	<u>BRAC Environmental Coordinator</u>	<u>(207) 328-7109 x107</u>	
Name	Title	Phone Number	
Specific requirements in decision documents have been met <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Violations have been reported <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
(N/A means that there were no violations for which reporting was necessary)			
Other problems or suggestions: _____			
_____			
_____			
_____			

2. Adequacy

☒ ICs are adequate

☐ ICs are inadequate

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**B. General**

1. Land use changes on site

☐ Yes (describe below)

☒ No changes in on-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. Land use changes off site

☐ Yes (describe below)

☒ No changes in off-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. Well Installation (except groundwater monitoring wells)

☐ Yes (describe below)

☒ No wells have been installed

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Note:**

This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance*, June 2001. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

# Site Inspection Checklist<sup>1</sup>

Storm Drainage Area (IRP-OT-010)

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/31/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: <u>Pt. Cloudy, 75° F</u>
Remedy Includes: (Check all that apply) <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;"> <input type="checkbox"/> Access Controls  <input checked="" type="checkbox"/> Institutional Controls  <input type="checkbox"/> Groundwater Monitoring  <input type="checkbox"/> Other: _____             </div> <div style="width: 50%;"> <input type="checkbox"/> _____  <input type="checkbox"/> _____  <input type="checkbox"/> _____             </div> </div>	

V. INSTITUTIONAL CONTROLS			
<b>A. Institutional Controls (ICs)</b>		<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A
<b>1. Implementation and Enforcement</b>			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>			
Frequency: <u>Every five years</u>			
Responsible party/agency: <u>Air Force Real Property Agency (AFRPA)</u>			
Contact: <u>David Strainge</u>	<u>BRAC Environmental Coordinator</u>	<u>(207) 328-7109 x107</u>	
Name	Title	Phone Number	
Specific requirements in decision documents have been met		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Violations have been reported		<input type="checkbox"/> Yes	<input type="checkbox"/> No
		<input checked="" type="checkbox"/> N/A	
(N/A means that there were no violations for which reporting was necessary)			
Other problems or suggestions: _____			
_____			
_____			
_____			



2. **Adequacy**

- ☒ ICs are adequate  
☐ ICs are inadequate

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**B. General**

1. **Land use changes on site**

- ☐ Yes (*describe below*)  
☒ No changes in on-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. **Land use changes off site**

- ☐ Yes (*describe below*)  
☒ No changes in off-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. **Well Installation (except groundwater monitoring wells)**

- ☐ Yes (*describe below*)  
☒ No wells have been installed

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Note:**

<sup>1</sup> This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance*, June 2001. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

# Site Inspection Checklist<sup>1</sup>

South POE Area (GRP-ST-012)

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/31/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: <u>Pt. Cloudy, 75° F</u>
<b>Remedy Includes:</b> (Check all that apply) <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;"> <input type="checkbox"/> Access Controls  <input checked="" type="checkbox"/> Institutional Controls  <input type="checkbox"/> Groundwater Monitoring  <input type="checkbox"/> Other: _____         </div> <div style="width: 50%;">           _____  <u>Deed restrictions, restrictive covenants</u>            _____            _____         </div> </div>	

V. INSTITUTIONAL CONTROLS			
<b>A. Institutional Controls (ICs)</b>		<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A
<b>1. Implementation and Enforcement</b>			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>			
Frequency: <u>Every five years</u>			
Responsible party/agency: <u>Air Force Real Property Agency (AFRPA)</u>			
Contact: <u>David Strainge</u>	<u>BRAC Environmental Coordinator</u>	<u>(207) 328-7109 x107</u>	
Name	Title	Phone Number	
Specific requirements in decision documents have been met		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Violations have been reported		<input type="checkbox"/> Yes	<input type="checkbox"/> No
		<input checked="" type="checkbox"/> N/A	
(N/A means that there were no violations for which reporting was necessary)			
Other problems or suggestions: _____			
_____			
_____			
_____			

2. Adequacy

- ☒ ICs are adequate  
☐ ICs are inadequate

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

B. General

1. Land use changes on site

- ☐ Yes (describe below)  
☒ No changes in on-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. Land use changes off site

- ☒ Yes (describe below)  
☐ No changes in off-site land use evident

Remarks: *A Signature Flight Support Building  
is now present west of the South Pol Area.  
Land use remains commercial/industrial off-site.*

3. Well Installation (except groundwater monitoring wells)

- ☐ Yes (describe below)  
☒ No wells have been installed

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Note:

<sup>1</sup> This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance*, June 2001. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

# Site Inspection Checklist<sup>1</sup>

*Fuel Line Break Area (IRP-ST-014)*

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/31/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: <u>pt. Cloudy, 75° F</u>
<b>Remedy Includes:</b> (Check all that apply) <div style="margin-top: 10px;"> <input type="checkbox"/> Access Controls _____  <input checked="" type="checkbox"/> Institutional Controls <u>Deed restrictions, restrictive covenants</u>  <input type="checkbox"/> Groundwater Monitoring _____  <input type="checkbox"/> Other: _____         </div>	

V. INSTITUTIONAL CONTROLS			
<b>A. Institutional Controls (ICs)</b>	<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A	
<b>1. Implementation and Enforcement</b>			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>			
Frequency: <u>Every five years</u>			
Responsible party/agency: <u>Air Force Real Property Agency (AFRPA)</u>			
Contact: <u>David Strainge</u>	<u>BRAC Environmental Coordinator</u>	<u>(207) 328-7109 x107</u>	
Name	Title	Phone Number	
Specific requirements in decision documents have been met <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Violations have been reported <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
(N/A means that there were no violations for which reporting was necessary)			
Other problems or suggestions: _____ _____ _____			

2. **Adequacy**

☒ ICs are adequate

☐ ICs are inadequate

Remarks: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**B. General**

1. **Land use changes on site**

☐ Yes (describe below)

☒ No changes in on-site land use evident

Remarks: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

2. **Land use changes off site**

☒ Yes (describe below)

☐ No changes in off-site land use evident

Remarks: *A Signature Flight Support Building is now present west of the Fuel Line Break Area. Land use remains commercial/industrial*

BB-site.

3. **Well Installation (except groundwater monitoring wells)**

☐ Yes (describe below)

☒ No wells have been installed

Remarks: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Note:**

<sup>1</sup> This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance*, June 2001. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

# TCE Site (IRP-SS-019)

## Site Inspection Checklist<sup>1</sup>

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/31/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: <u>pt. Cloudy, 75° F</u>
Remedy Includes: (Check all that apply) <div style="margin-left: 20px;"> <input type="checkbox"/> Access Controls  <input checked="" type="checkbox"/> Institutional Controls      <u>Deed restrictions, restrictive covenants</u>  <input type="checkbox"/> Groundwater Monitoring  <input type="checkbox"/> Other: _____           </div>	

V. INSTITUTIONAL CONTROLS			
<b>A. Institutional Controls (ICs)</b>		<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A
<b>1. Implementation and Enforcement</b>			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>			
Frequency: <u>Every five years</u>			
Responsible party/agency: <u>Air Force Real Property Agency (AFRPA)</u>			
Contact: <u>David Strainge</u>	<u>BRAC Environmental Coordinator</u>	<u>(207) 328-7109 x107</u>	
	Name	Title	Phone Number
Specific requirements in decision documents have been met	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Violations have been reported	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
(N/A means that there were no violations for which reporting was necessary)			
Other problems or suggestions: _____			
_____			
_____			
_____			

2. **Adequacy**

☒ ICs are adequate

☐ ICs are inadequate

Remarks: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**B. General**

1. **Land use changes on site**

☐ Yes (describe below)

☒ No changes in on-site land use evident

Remarks: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

2. **Land use changes off site**

☐ Yes (describe below)

☒ No changes in off-site land use evident

Remarks: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

3. **Well Installation (except groundwater monitoring wells)**

☐ Yes (describe below)

☒ No wells have been installed

Remarks: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Note:**

<sup>1</sup> This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance*, June 2001. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

# Site Inspection Checklist<sup>1</sup>

Landfill 1 (IRP-LF-01)

I. SITE INFORMATION	
Site Name: <u>Former O'Hare Air Reserve Station</u>	Date of Inspection: <u>5/31/07</u>
Location and Region: <u>Chicago, Illinois, EPA Region V</u>	EPA ID: <u>ILD049484181</u>
Agency, Office, or Company Leading the Five-Year Review: <u>Air Force Real Property Agency (AFRPA)</u>	Weather/Temperature: <u>Pt. Cloudy, 75°F</u>
<b>Remedy Includes:</b> (Check all that apply) <div style="margin-top: 10px;"> <input type="checkbox"/> Access Controls _____  <input checked="" type="checkbox"/> Institutional Controls <u>Deed restrictions, restrictive covenants</u>  <input type="checkbox"/> Groundwater Monitoring _____  <input type="checkbox"/> Other: _____         </div>	

V. INSTITUTIONAL CONTROLS			
<b>A. Institutional Controls (ICs)</b>		<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A
<b>1. Implementation and Enforcement</b>			
Site conditions imply ICs not properly implemented	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Site conditions imply ICs not being fully enforced	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Type of monitoring (e.g., self-reporting, drive-by): <u>drive-by/field traverse</u>			
Frequency: <u>Every five years</u>			
Responsible party/agency: <u>Air Force Real Property Agency (AFRPA)</u>			
Contact: <u>David Strainge</u>	<u>BRAC Environmental Coordinator</u>	<u>(207) 328-7109 x107</u>	
Name	Title	Phone Number	
Specific requirements in decision documents have been met <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Violations have been reported <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
(N/A means that there were no violations for which reporting was necessary)			
Other problems or suggestions: _____ _____ _____ _____			



2. **Adequacy**

☒ ICs are adequate

☐ ICs are inadequate

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**B. General**

1. **Land use changes on site**

☐ Yes (*describe below*)

☒ No changes in on-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. **Land use changes off site**

☐ Yes (*describe below*)

☒ No changes in off-site land use evident

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. **Well Installation (except groundwater monitoring wells)**

☐ Yes (*describe below*)

☒ No wells have been installed

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Note:**

<sup>1</sup> This Five-Year Site Inspection Checklist was developed based on the Five-Year Site Inspection Checklist Template in EPA 540-R-01-007, *Comprehensive Five-Year Review Guidance*, June 2001. However, the following sections were deleted from the Five-Year Site Inspection Checklist Template, because they were not relevant to the remedy for the O'Hare Air Reserve Station site: Section II Interviews, Section III On-site Documents and Records Verified, Section IV O&M Costs, Section VI General Site Conditions, Section VII Landfill Covers, Section VIII Vertical Barrier Walls, and Section IX Groundwater/Surface Water Remedies.

## **APPENDIX D**

### **PHOTOGRAPHIC LOG**

**FIVE-YEAR REVIEW PHOTOGRAPHIC LOG**  
**O'HARE AIR RESERVE STATION, CHICAGO, ILLINOIS**  
**MAY 31, 2007**



**Photograph 1: Elevated Water Storage Tank (AST-1702)**



**Photograph 2: Former Coal Storage Area (OTH-1)**

**FIVE-YEAR REVIEW PHOTOGRAPHIC LOG**  
**O'HARE AIR RESERVE STATION, CHICAGO, ILLINOIS**  
**MAY 31, 2007**



**Photograph 3: Hardfill No. 2 (OTH-HF-02)**



**Photograph 4: Former Trailer Park (OTH-TP)**



**FIVE-YEAR REVIEW PHOTOGRAPHIC LOG**

**O'HARE AIR RESERVE STATION, CHICAGO, ILLINOIS  
MAY 31, 2007**



**Photograph 5: Oil/Water Separator No. 2909 (OWS-2909)**



**Photograph 6: Oil/Water Separator No. 63B (OWS-63B)**

**FIVE-YEAR REVIEW PHOTOGRAPHIC LOG**

**O'HARE AIR RESERVE STATION, CHICAGO, ILLINOIS  
MAY 31, 2007**



**Photograph 7: Oil/Water Separator No. 30B (OWS-30B)**



**Photograph 8: Underground Storage Tank Nos. 1902A and 1902B (UST-1902A/B)**



**FIVE-YEAR REVIEW PHOTOGRAPHIC LOG**  
**O'HARE AIR RESERVE STATION, CHICAGO, ILLINOIS**  
**MAY 31, 2007**



**Photograph 9: Oil/Water Separator No. 19C (OWS-19C)**



**Photograph 10: Oil/Water Separator Nos. 66A and 66B (OWS-66A/B)**

**FIVE-YEAR REVIEW PHOTOGRAPHIC LOG**  
**O'HARE AIR RESERVE STATION, CHICAGO, ILLINOIS**  
**MAY 31, 2007**



**Photograph 11: Former Paint Shop (OTH-8-1)**



**Photograph 12: Building 74 Hydraulic Lift Systems (STM-74)**



**FIVE-YEAR REVIEW PHOTOGRAPHIC LOG**

**O'HARE AIR RESERVE STATION, CHICAGO, ILLINOIS  
MAY 31, 2007**



**Photograph 13: Underground Storage Tank No. 12A (UST-12A) and Underground Storage Tank No. 12B (UST-12B)**



**Photograph 14: Underground Storage Tank No. 26A (UST-26A)**

**FIVE-YEAR REVIEW PHOTOGRAPHIC LOG**

**O'HARE AIR RESERVE STATION, CHICAGO, ILLINOIS  
MAY 31, 2007**



**Photograph 15: Underground Storage Tank No. 1903 (UST-1903)**



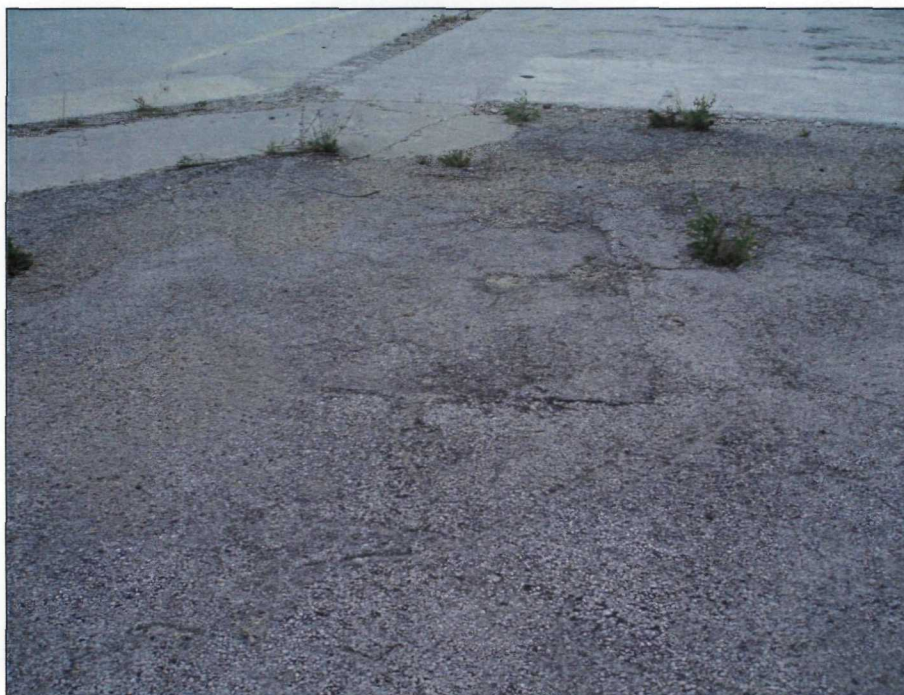
**Photograph 16: Underground Storage Tank No. 400 (UST-400)**



**FIVE-YEAR REVIEW PHOTOGRAPHIC LOG**  
**O'HARE AIR RESERVE STATION, CHICAGO, ILLINOIS**  
**MAY 31, 2007**



**Photograph 17: Underground Storage Tank No. 17A (UST-17A)**



**Photograph 18: Oil/Water Separator No. 74D (OWS-74D)**

**FIVE-YEAR REVIEW PHOTOGRAPHIC LOG**  
**O'HARE AIR RESERVE STATION, CHICAGO, ILLINOIS**  
**MAY 31, 2007**



**Photograph 19: Oil/Water Separator No. 55A (OWS-55A)**



**Photograph 20: Oil/Water Separator No. 43 (OWS-43)**



**FIVE-YEAR REVIEW PHOTOGRAPHIC LOG**

**O'HARE AIR RESERVE STATION, CHICAGO, ILLINOIS  
MAY 31, 2007**



**Photograph 21: Oil/Water Separator No. 70A (OWS-70A)**



**Photograph 22: Oil/Water Separator No. 72C (OWS-72C)**

**FIVE-YEAR REVIEW PHOTOGRAPHIC LOG**

**O'HARE AIR RESERVE STATION, CHICAGO, ILLINOIS  
MAY 31, 2007**



**Photograph 23: Former Incinerator (OTH-13)**



**Photograph 24: Suspected Former Fire Training Area (OTH-FT)**

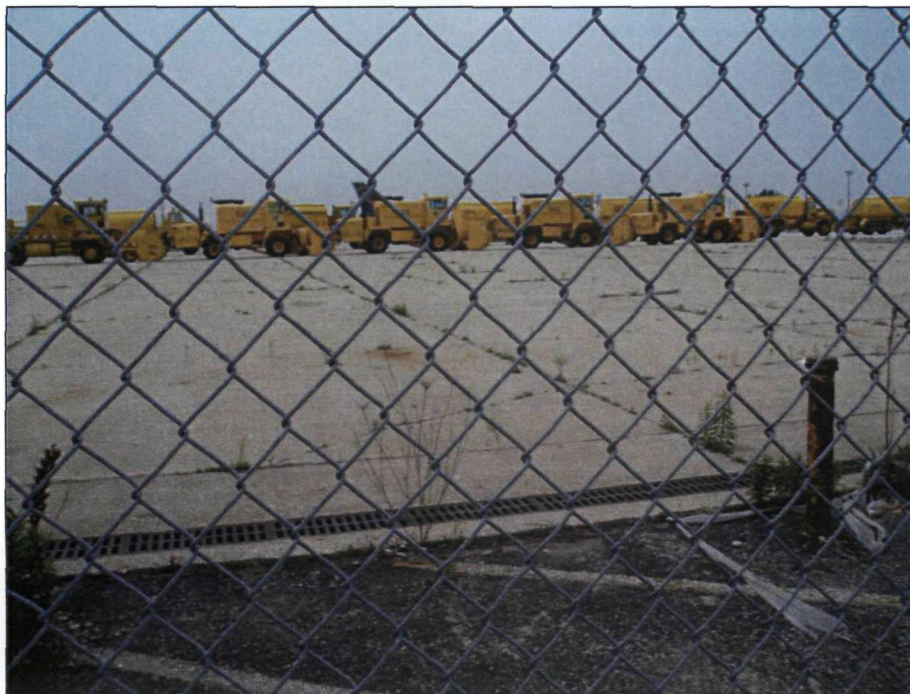


**FIVE-YEAR REVIEW PHOTOGRAPHIC LOG**

**O'HARE AIR RESERVE STATION, CHICAGO, ILLINOIS  
MAY 31, 2007**



**Photograph 25: Former Aircraft Hangar (OTH-7)**

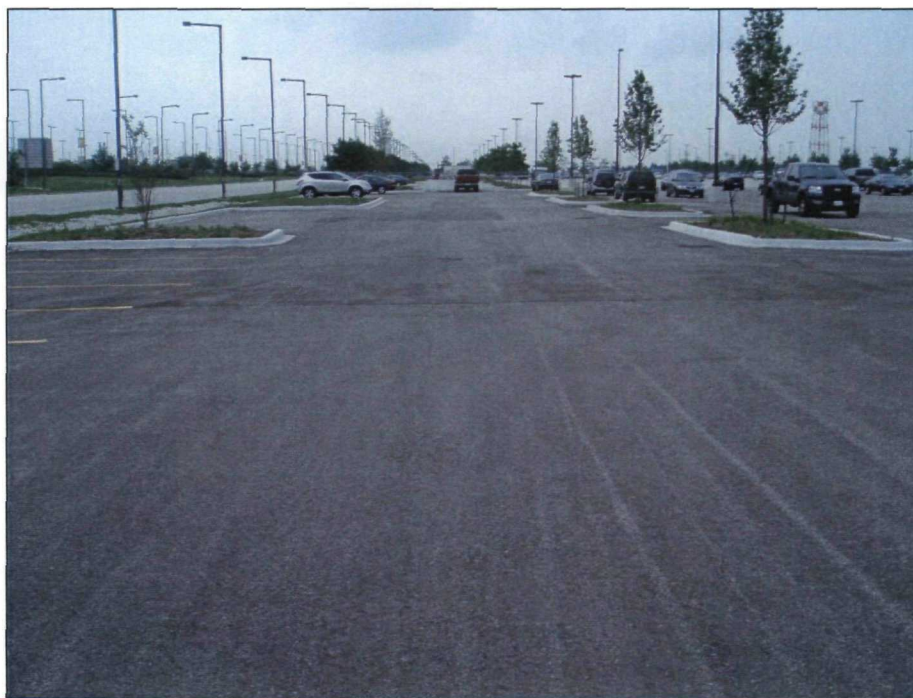


**Photograph 26: Aircraft Washrack Pad (OTH-2531-1) and Former Drum Accumulation Area (OTH-2531-2)**

**FIVE-YEAR REVIEW PHOTOGRAPHIC LOG**  
**O'HARE AIR RESERVE STATION, CHICAGO, ILLINOIS**  
**MAY 31, 2007**



**Photograph 27: Hardfill No. 1 (OTH-HF-01)**



**Photograph 28: Sanitary Sewer Site (OTH-SS)**

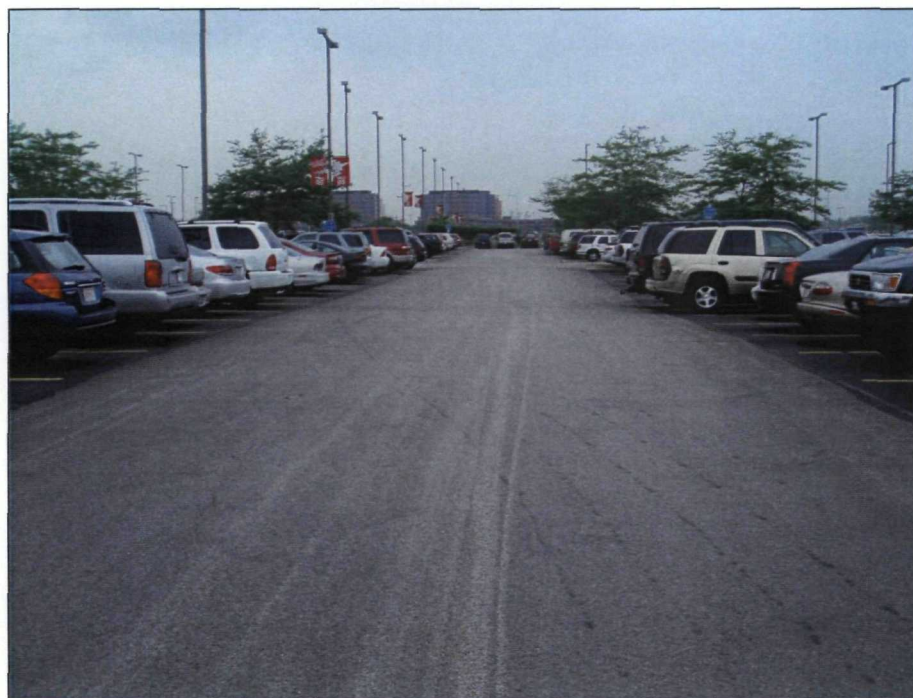


**FIVE-YEAR REVIEW PHOTOGRAPHIC LOG**

**O'HARE AIR RESERVE STATION, CHICAGO, ILLINOIS  
MAY 31, 2007**



**Photograph 29: JP-4 Tank/West POL Area (IRP-ST-002)**



**Photograph 30: Fire Protection Training Area (IRP-FT-003)**

**FIVE-YEAR REVIEW PHOTOGRAPHIC LOG**  
**O'HARE AIR RESERVE STATION, CHICAGO, ILLINOIS**  
**MAY 31, 2007**



**Photograph 31: Fuel Contaminated Soil Site (IRP-SS-005)**



**Photograph 32: Hazardous Waste Storage Site (IRP-SS-007)**



**FIVE-YEAR REVIEW PHOTOGRAPHIC LOG**

**O'HARE AIR RESERVE STATION, CHICAGO, ILLINOIS  
MAY 31, 2007**



**Photograph 33: South Edge of Concrete Apron (IRP-OT-008)**



**Photograph 34: Vehicle Maintenance Facility (IRP-OT-009)**

**FIVE-YEAR REVIEW PHOTOGRAPHIC LOG**  
**O'HARE AIR RESERVE STATION, CHICAGO, ILLINOIS**  
**MAY 31, 2007**



**Photograph 35: Storm Drainage Area (IRP-OT-010)**



**Photograph 36: South POL Area (IRP-ST-012)**



**FIVE-YEAR REVIEW PHOTOGRAPHIC LOG**

**O'HARE AIR RESERVE STATION, CHICAGO, ILLINOIS  
MAY 31, 2007**



**Photograph 37: Fuel Line Break Area (IRP-ST-014)**



**Photograph 38: TCE Site (IRP-SS-019)**

**FIVE-YEAR REVIEW PHOTOGRAPHIC LOG**

**O'HARE AIR RESERVE STATION, CHICAGO, ILLINOIS  
MAY 31, 2007**



**Photograph 39: Landfill 1 (IRP-LF-01)**

## **APPENDIX E**

### **TOXICITY DATA EVALUATION**

## **Appendix E**

### **Review of Exposure Assumptions, Toxicity Data, Cleanup Levels, and Remedial Action Objectives**

#### **Introduction**

The Former O'Hare Air Reserve Station (ARS) five-year review process includes a review of the screening criteria, toxicity data, exposure assumptions, and remedial action objectives (RAOs) that were used at the time of remedy selection. The primary objective of this review is to determine whether these criteria, data, assumptions, and objectives are still protective of human health and the environment based on any changes that may have occurred since remedies were selected. Factors evaluated to make this determination include assessing whether there are:

- Changes in standards identified as Applicable or Relevant and Appropriate Requirements (ARARs) or To Be Considered (TBC) criteria in the Record of Decision (ROD) or newly promulgated standards that could call into question the screening criteria used to evaluate risk or the protectiveness of the remedy
- Changes in land use or the anticipated land use on or near the site
- New human health or ecological exposure pathways or receptors that have been identified
- New contaminants or contaminant sources that have been identified
- Unanticipated toxic byproducts of the remedy not previously addressed by the decision documents
- Changes in the physical site conditions
- Changes in the toxicity factors for contaminants of concern.

For example, a change in land use or a new, more stringent toxicity factor could affect the selected remedy to such a degree that it would no longer be considered protective. This evaluation was performed for the 42 areas of concern (AOCs) and Installation Restoration Program (IRP) sites addressed by the Basewide and Landfill 1 RODs.

#### **Screening Criteria**

The following chemical-specific standards were identified as ARARs (or TBC criteria) that were used as screening criteria in the Basewide and Landfill 1 RODs:

- U.S. EPA Region 9 Preliminary Remediation Goals (PRGs) for Industrial Soil and Tap Water
- Illinois Water Quality Standards (35 Illinois Administrative Code [IAC] 304.102)
- Illinois Groundwater Quality Standards (35 IAC 620)



- Illinois Tiered Approach to Corrective Action Objectives (TACO) Values for Industrial Soil (35 IAC 742)
- National Primary Drinking Water Regulations (i.e., Maximum Contaminant Levels [MCLs]) (40 CFR 141.61).

Changes in these criteria were evaluated separately for each contaminant of potential concern (COPC) identified in each ROD. The text below discusses the results of this evaluation for the Basewide Sites and Landfill 1.

#### Basewide Sites

In the Basewide ROD, which was finalized in September 2002, soil and groundwater were evaluated using screening criteria to identify COPCs for consideration in the risk assessment.

Because the Former O'Hare ARS is subject to the requirement of the State of Illinois' Site Remediation Program (35 IAC 740.105), the Illinois TACO Values for Industrial Soil are the currently appropriate screening criteria for evaluating the remedy protectiveness. Therefore, for the purpose of this evaluation, the original screening criteria included in the Basewide ROD were compared with the current Illinois TACO Values for Industrial Soil to determine if significant changes have occurred that would call into question the original selection of COPCs. Numerous changes in screening criteria were identified as a result of this comparison. However, as indicated in Table E-1, the screening criteria increased (i.e., became less conservative) for all COPCs except chromium and lead.

Screening criteria for chromium and lead decreased (i.e., became more stringent) by seven percent and 11 percent, respectively. The screening criterion for chromium decreased from 450 mg/kg to 420 mg/kg, and the screening criterion for lead decreased from 900 mg/kg to 800 mg/kg. Chromium was a COPC at only one Basewide Site – the Storm Drainage Area (IRP-OT-010). Similarly, lead was a COPC at only one Basewide Site – the Elevated Water Tank (AST-1702/IRP-ST-015). Given the limited magnitude of the decreases and the limited number of sites at which these constituents were identified at elevated concentrations, it is unlikely that these changes would result in a significant change in the identification of COPCs or subsequent risk assessment.

Benzene was also identified as a COPC in groundwater at the South POL Area (IRP-ST-012). MCLs and Illinois Class I Groundwater Quality Standards were used in the Basewide ROD to evaluate contaminant concentrations in groundwater. As indicated in Table D-1, no changes in the screening criteria for benzene were identified. Therefore, the protectiveness of the selected remedy is not called into question.

**Table E-1  
Basewide Sites Screening Criteria Evaluation**

Soil and Groundwater Screening Criteria Evaluation				
Chemical	2002 ROD Soil Screening Criteria <sup>1</sup>	Current TACO Industrial Soil Screening Criteria	Percent Difference	Note
VOCs/SVOCs (µg/kg)				
Anthracene	5.70E+03	6.10E+08	10701654%	Screening level increased
Benzo(a)anthracene	2.60E+03	8.00E+03	208%	Screening level increased
Benzo(a)pyrene	2.60E+02	8.00E+02	208%	Screening level increased
Benzo(b)fluoranthene	2.60E+03	8.00E+03	208%	Screening level increased
Benzo(k)fluoranthene	2.60E+04	7.80E+04	200%	Screening level increased
Chrysene	7.20E+03	7.80E+05	10733%	Screening level increased
Dibenzo(a,h)anthracene	2.60E+02	8.00E+02	208%	Screening level increased
Indeno(1,2,3-cd)pyrene	2.60E+03	8.00E+03	208%	Screening level increased
Pyrene	1.00E+05	6.10E+07	60900%	Screening level increased
Benzene	1.40E+03	1.60E+03	14%	Screening level increased
Vinyl chloride	3.50E+01	1.10E+03	3043%	Screening level increased
Trichloroethene	7.00E+03	8.90E+03	27%	Screening level increased
Cis-1,2-dichloroethene	1.00E+05	1.20E+06	1100%	Screening level increased
Trans-1,2-dichloroethene	2.70E+05	3.10E+06	1048%	Screening level increased
Aroclor 1254	3.40E+02	1.00E+03	194%	Screening level increased
Inorganics (mg/kg)				
Arsenic	10.2 <sup>2</sup>	13.0 <sup>3</sup>	27%	Screening level increased
Beryllium	1.1	110.0	9900%	Screening level increased
Chromium	450.0	420.0	-7%	Decrease in screening level warrants additional evaluation (see text discussion)
Lead	900.0	800.0	-11%	
Groundwater (µg/L)				
Benzene <sup>4</sup>	5.00E+00	5.00E+00	0%	No significant change

1 - Criteria based on EPA Region 9 PRGs for Industrial Soil established by the Base Closure Transition Team in 1996

2 - Criteria for arsenic established based on site-specific background concentrations

3 - Criteria based on IL TACO soil background value for metro areas

4 - Criteria based on the Federal Maximum Contaminant Level and the Illinois Class I Groundwater Standard

## Landfill 1

In the Landfill 1 ROD, which was finalized in August 2005, contaminant concentrations in soil, groundwater, sediment, and surface water were evaluated using screening criteria to identify COPCs for consideration in the risk assessment.

Concentrations of contaminants detected in the soil and sediment at the Landfill 1 site were compared to U.S. EPA Region 9 PRGs for Industrial Soil and the Illinois TACO Values for Industrial Soil in order to determine potential risks to human health. Because the Former O'Hare ARS is subject to the requirement of the State of Illinois' Site Remediation Program (35 IAC 740.105), the Illinois TACO Values for Industrial Soil are the currently appropriate screening criteria for evaluating the remedy protectiveness. Therefore, for the purpose of this evaluation, the original screening criteria included in the Landfill 1 ROD were compared with the current Illinois TACO Values for Industrial Soil to determine if significant changes have occurred that would call into question the protectiveness of the remedies. Numerous changes in screening criteria were identified as a result of this comparison. However, as indicated in Tables E-2 and E-3, respectively, screening criteria for soil and sediment increased (i.e., became less conservative) for all COPCs.

Several contaminants were detected in groundwater at the Landfill 1 site. Detected concentrations were screened in the Landfill 1 ROD using the EPA Region 9 PRGs for Tap Water and the Federal MCLs. For the purpose of evaluating changes in screening criteria, updated screening criteria were obtained from the same sources. As indicated in Table E-4, only screening criteria for dibenzofuran and manganese changed since the Landfill 1 ROD was signed, and the manganese screening level increased (i.e., became less conservative). The screening criteria for dibenzofuran decreased (i.e., became more stringent) by 50 percent. Maximum cumulative cancer risk and noncancer hazard estimates at the Landfill 1 site were  $6.00\text{E-}07$  and 0.2, respectively, for a construction worker receptor. As a result, a 50 percent change in the groundwater screening criteria for dibenzofuran would not draw the protectiveness of the selected remedy into question.

Contaminants in surface water associated with the Landfill 1 site were also evaluated in the ROD. Detected concentrations were screened in the Landfill 1 ROD using the Illinois Water Quality Standards. For the purpose of evaluating changes in screening criteria, updated screening criteria were obtained from the same sources. As indicated in Table E-5, no changes in screening criteria were identified. Therefore, the protectiveness of the selected remedy is not called into question.

**Table E-2**  
**Landfill 1 Soil Screening Criteria Evaluation**

<b>Soil Screening Criteria Evaluation</b>					
<b>Chemical</b>	<b>2005 ROD Region 9 PRG for Industrial Soil</b>	<b>2005 ROD TACO Industrial Soil Screening Criteria</b>	<b>Screening Criteria at the Time of Remedy Selection</b>	<b>Current TACO Industrial Soil Screening Criteria</b>	<b>Percent Difference</b>
<b>VOCs/SVOCs (µg/kg)</b>					
Aroclor 1254	7.40E+02	NA	7.40E+02	1.00E+03	35%
<b>Inorganics (mg/kg)</b>					
Cadmium	7.4	1	1	2000	199900%
Chromium	450	21	21	420	1900%
Nickel	20000	20	20	21000	104900%
Zinc	100000	1000	1000	610000	60900%

**Table E-3**  
**Landfill 1 Sediment Screening Criteria Evaluation**

<b>Sediment Screening Criteria Evaluation</b>					
<b>Chemical</b>	<b>2005 ROD Region 9 PRG for Industrial Soil</b>	<b>2005 ROD TACO Industrial Soil Screening Criteria</b>	<b>Screening Criteria at the Time of Remedy Selection</b>	<b>Current TACO Industrial Soil Screening Criteria</b>	<b>Percent Difference</b>
<b>VOCs/SVOCs(µg/kg)</b>					
Benzo(a)anthracene	2.10E+03	NA	2.10E+03	8.00E+03	281%
Benzo(a)pyrene	2.10E+02	NA	2.10E+02	8.00E+02	281%
Benzo(b)fluoranthene	2.10E+03	NA	2.10E+03	8.00E+03	281%
Benzo(k)fluoranthene	2.10E+03	NA	2.10E+03	7.80E+04	3614%
Chrysene	2.10E+05	NA	2.10E+05	7.80E+05	271%
Dibenzo(a,h)anthracene	2.10E+02	NA	2.10E+02	8.00E+02	281%
Indeno(1,2,3-cd)pyrene	2.10E+03	NA	2.10E+03	8.00E+03	281%
Endrin	1.80E+05	1.00E+00	1.00E+00	8.10E+02	60900%
<b>Inorganics (mg/kg)</b>					
Zinc	100000	170	170	610000	358724%

**Table E-4**  
**Landfill 1 Groundwater Screening Criteria Evaluation**

Groundwater Screening Criteria Evaluation					
Chemical	2005 ROD Region 9 PRG for Tap Water	2005 ROD Maximum Contaminant Level	Screening Criteria at the Time of Remedy Selection	Comparable Current Criteria <sup>1</sup>	Percent Difference
<b>VOCs/SVOCs(µg/L)</b>					
Benzene	3.40E-01	5.00E+00	5.00E+00	5.00E+00	0%
Benzo(a)anthracene	9.20E-02	NA	9.20E-02	9.20E-02	0%
Benzo(a)pyrene	9.20E-03	2.00E-01	2.00E-01	2.00E-01	0%
Benzo(b)fluoranthene	9.20E-02	NA	9.20E-02	9.20E-02	0%
Benzo(k)fluoranthene	9.20E-01	NA	9.20E-01	9.20E-01	0%
Chrysene	9.20E+00	NA	9.20E+00	9.20E+00	0%
Dibenzofuran	2.40E+01	NA	2.40E+01	1.20E+01	-50%
Ethylbenzene	2.90E+00	7.00E+02	7.00E+02	7.00E+02	0%
Indeno(1,2,3-cd)pyrene	9.20E-02	NA	9.20E-02	9.20E-02	0%
Methylene Chloride	4.30E+00	NA	4.30E+00	4.30E+00	0%
Naphthalene	6.20E+00	NA	6.20E+00	6.20E+00	0%
<b>Inorganics (mg/L)</b>					
Arsenic	0.00	0.01	0.01	0.01	0%
Manganese	0.88	NA	0.88	88	9900%

1 - If available, MCLs were selected as comparable current criteria, otherwise PRGs for Tap Water were selected

**Table E-5**  
**Landfill 1 Surface Water Screening Criteria Evaluation**

<b>Surface Water Screening Criteria Evaluation</b>			
<b>Chemical</b>	<b>2005 ROD Illinois Surface Water Quality Standards</b>	<b>Current Illinois Surface Water Quality Standards</b>	<b>Percent Difference</b>
<b>VOCs/SVOCs (µg/L)</b>			
bis(2-ethylhexyl)phthalate	1.90E+00	1.90E+00	0%
<b>Inorganics (mg/L)</b>			
Cadmium	1.90E+00	1.90E+00	0%
Chromium	1.10E+01	1.10E+01	0%
Copper	2.42E+01	2.42E+01	0%
Zinc	4.46E+01	4.46E+01	0%

### Screening Criteria Evaluation Conclusions

Based on the results of a comparison of the screening criteria used in the Basewide and the Landfill 1 RODs with current, comparable screening criteria, no significant changes have occurred that would call the protectiveness of the selected remedies into question.

### **Toxicity Data**

Tables E-6 and E-7, respectively, provide a review of toxicity data used to estimate risks for the Basewide and the Landfill 1 RODs. These tables provide a comparison of the data used in the baseline risk assessments and in the RODs with updated values.

Following a hierarchy outlined in the Air Force Policy Memorandum, *Toxicity Values for Use in Risk Assessments and Establishing Risk-Based Cleanup Levels* (14 July 2006), updated toxicity data were obtained primarily from EPA's Integrated Risk Information System (IRIS) database (updated 25 January 2007), Provisional Peer Reviewed Toxicity Values (PPRTVs) developed by EPA's National Center for Environmental Assessment, and other toxicity information sources (e.g., EPA's Health Effects Assessment Summary Tables [HEAST], other EPA sources, and non-EPA sources). Table E-8 provides the Several changes in toxicity data have occurred since toxicity screens and risk estimates were developed in baseline risk assessments and Basewide and Landfill 1 RODs.

Additional assessment and review of the available and newly available scientific studies associated with a contaminant are the primary reason that significant changes in toxicity data have occurred. It should be noted that, for the purpose of this evaluation, significant changes in toxicity data were defined as a more than five percent increase in cancer slope factor or a more than five percent decrease in reference dose. Further discussion of the evaluation is provided in the following sections.

### Basewide Sites

For the majority of contaminants, no significant changes were identified when toxicity data from the Basewide Sites ROD were compared with current toxicity data. In most cases, changes in toxicity data were identified because new toxicity data have been developed that were not available when the original risk assessments were completed. New toxicity data were identified for the following COPCs:

- The oral slope factor for benzene increased from 2.90E-02 to 5.50E-02, which corresponds to a 90 percent increase
- The inhalation reference dose for trans-1,2-dichloroethene decreased from 2.00E-2 to 1.71E-02, which corresponds to a 15 percent decrease
- New oral reference dose values were identified for benzene (4.00E-03), vinyl chloride (3.00E-03), and Aroclor 1254 (2.00E-05)



**Table E-6**  
**Basewide Sites Toxicity Data Evaluation**

Chemical	Toxicity Data Evaluation for Basewide Sites											
	Oral Slope Factor			Inhalation Slope Factor			Oral Reference Dose			Inhalation Reference Dose		
	2002 ROD	Current	Significant Change <sup>1</sup>	2002 ROD	Current	Significant Change <sup>1</sup>	2002 ROD	Current	Significant Change <sup>2</sup>	2002 ROD	Current	Significant Change <sup>2</sup>
<b>VOCs/SVOCs (µg/kg)</b>												
Anthracene	-	-	No	-	-	No	3.00E-01	3.00E-01	No	3.00E-01	3.00E-01	No
Benzo(a)anthracene	7.30E-01	7.30E-01	No	3.10E-01	3.10E-01	No	-	-	No	-	-	No
Benzo(a)pyrene	7.30E+00	7.30E+00	No	3.10E+00	3.10E+00	No	-	-	No	-	-	No
Benzo(b)fluoranthene	7.30E-01	7.30E-01	No	3.10E-01	3.10E-01	No	-	-	No	-	-	No
Benzo(k)fluoranthene	7.30E-02	7.30E-02	No	3.10E-02	3.10E-02	No	-	-	No	-	-	No
Chrysene	7.30E-03	7.30E-03	No	3.10E-03	3.10E-03	No	-	-	No	-	-	No
Dibenzo(a,h)anthracene	7.30E+00	7.30E+00	No	3.10E+00	3.10E+00	No	-	-	No	-	-	No
Indeno(1,2,3-cd)pyrene	7.30E-01	7.30E-01	No	3.10E-01	3.10E-01	No	-	-	No	-	-	No
Pyrene	-	-	No	-	-	No	3.00E-02	3.00E-02	No	3.00E-02	3.00E-02	No
Benzene	2.90E-02	5.50E-02	Yes	2.90E-02	2.70E-02	No	-	4.00E-03	Yes	-	8.57E-03	Yes
Vinyl chloride	1.90E+00	7.20E-01	No	3.00E-01	1.54E-02	No	-	2.00E-03	Yes	-	2.00E-02	Yes
Trichloroethene <sup>3</sup>	4.00E-01	4.00E-01	No	4.00E-01	4.00E-01	No	3.00E-04	3.00E-04	No	1.00E-02	1.14E-02	No
Cis-1,2-dichloroethene <sup>4</sup>	-	-	No	-	-	No	1.00E-02	1.00E-02	No	1.00E-02	1.00E-02	No
Trans-1,2-dichloroethene <sup>3</sup>	-	-	No	-	-	No	2.00E-02	2.00E-02	No	2.00E-02	1.71E-02	Yes
Aroclor 1254	2.00E+00	2.00E+00	No	2.00E+00	2.00E+00	No	-	2.00E-05	Yes	-	2.00E-05	Yes
<b>Inorganics (mg/kg)</b>												
Arsenic	1.50E+00	1.50E+00	No	1.50E+00	1.51E+00	No	3.00E-04	3.00E-04	No	-	-	No
Beryllium	-	-	No	8.40E+00	8.40E+00	No	2.00E-03	2.00E-03	No	5.70E-06	5.71E-06	No
Chromium	-	-	No	-	-	No	1.50E+00	1.50E+00	No	-	-	No
Lead	-	-	No	-	-	No	-	-	No	-	-	No

1 - A significant change in slope factor is defined as an increase of more than 5%.

2 - A significant change in reference dose is defined as a decrease of more than 5%.

3 - Toxicity data from the 2002 ROD were not available so data from the October 2002 version of the EPA Region 9 Preliminary Remediation Goals table were substituted.

**Table E-7  
Landfill 1 Toxicity Data Evaluation**

Toxicity Data Evaluation for Landfill 1												
Chemical	Oral Slope Factor			Inhalation Slope Factor			Oral Reference Dose			Inhalation Reference Dose		
	2002 ROD	Current	Significant Change <sup>1</sup>	2002 ROD	Current	Significant Change <sup>1</sup>	2002 ROD	Current	Significant Change <sup>2</sup>	2002 ROD	Current	Significant Change <sup>2</sup>
<b>VOCs/SVOCs (µg/kg)</b>												
Aroclor 1254	-	2.00E+00	Yes	-	2.00E+00	Yes	2.00E-05	2.00E-05	No	-	2.00E-05	Yes
Benzene	2.30E-02	6.50E-02	Yes	2.90E-02	2.70E-02	No	-	4.00E-03	Yes	-	8.57E-03	Yes
Benzo(a)anthracene	7.30E-01	7.30E-01	No	3.10E-01	3.10E-01	No	-	-	No	-	-	No
Benzo(a)pyrene	7.30E+00	7.30E+00	No	3.10E+00	3.10E+00	No	-	-	No	-	-	No
Benzo(b)fluoranthene	7.30E-01	7.30E-01	No	3.10E-01	3.10E-01	No	-	-	No	-	-	No
Benzo(k)fluoranthene	7.30E-02	7.30E-02	No	3.10E-02	3.10E-02	No	-	-	No	-	-	No
bis(2-ethylhexyl)phthalate	1.40E-02	1.40E-02	No	-	1.40E-02	Yes	2.00E-02	2.00E-02	No	-	2.00E-02	Yes
Chrysene	7.30E-03	7.30E-03	No	3.10E-03	3.10E-03	No	-	-	No	-	-	No
Dibenzo(a,h)anthracene	7.30E+00	7.30E+00	No	3.10E+00	3.10E+00	No	-	-	No	-	-	No
Dibenzofuran	-	-	No	-	-	No	4.00E-03	1.00E-03	Yes	-	2.00E-03	Yes
Endrin	3.00E-04	-	No	-	-	No	2.00E-05	3.00E-04	No	2.00E-05	3.00E-04	No
Ethylbenzene	-	-	No	-	-	No	1.00E-01	1.00E-01	No	2.90E-01	2.90E-01	No
Indeno(1,2,3-cd)pyrene	7.30E-01	7.30E-01	No	3.10E-01	3.10E-01	No	-	-	No	-	-	No
Methylene Chloride	-	7.50E-03	Yes	-	1.65E-03	Yes	-	6.00E-02	Yes	2.60E-02	8.57E-01	No
Naphthalene	-	-	No	-	-	No	2.00E-02	2.00E-02	No	8.60E-04	8.57E-04	No
<b>Inorganics (mg/kg)</b>												
Arsenic	1.50E+00	1.50E+00	No	1.50E+00	1.51E+00	No	3.00E-04	3.00E-04	No	-	-	No
Cadmium	-	-	No	6.30E+00	6.30E+00	No	5.00E-04	5.00E-04	No	-	5.70E-05	Yes
Chromium	-	-	No	-	-	No	1.50E+00	1.50E+00	No	-	-	No
Copper	-	-	No	-	-	No	4.00E-02	3.71E-02	Yes	-	-	No
Manganese	-	-	No	-	-	No	4.00E-02	2.00E-02	Yes	1.40E-05	1.40E-05	No
Nickel	-	-	No	-	-	No	2.00E-02	2.00E-02	No	-	-	No
Zinc	-	-	No	-	-	No	3.00E-01	3.00E-01	No	-	-	No

1 - A significant change in slope factor is defined as an increase of more than 5%

2 - A significant change in reference dose is defined as a decrease of more than 5%

**Table E-8**  
**Updated Toxicity Data Values and Sources**

Contaminants of Concern	Updated Toxicity Data							
	RfDo		RfDi		SFo		SFi	
Anthracene	3.00E-01	i	3.00E-01	r	-	-	-	-
PCB - Aroclor 1254	2.00E-05	i	2.00E-05	r	2.00E+00	i	2.00E+00	i
Arsenic	3.00E-04	i	-	-	1.50E+00	i	1.51E+01	i
Benzene	4.00E-03	i	8.57E-03	i	5.50E-02	i	2.70E-02	i
Benzo(a)anthracene	-	-	-	-	7.30E-01	n	3.10E-01	n
Benzo(a)pyrene	-	-	-	-	7.30E+00	i	3.10E+00	n
Benzo(b)fluoranthene	-	-	-	-	7.30E-01	n	3.10E-01	n
Benzo(k)fluoranthene	-	-	-	-	7.30E-02	n	3.10E-02	n
Beryllium	2.00E-03	i	5.71E-06	i	-	-	8.40E+00	i
bis(2-ethylhexyl)phthalate	2.00E-02	i	2.00E-02	r	1.40E-02	i	1.40E-02	r
Cadmium	5.00E-04	i	5.70E-05	n	-	-	6.30E+00	i
Chromium III	1.50E+00	i	-	-	-	-	-	-
Chrysene	-	-	-	-	7.30E-03	n	3.10E-03	n
Cis-1,2-dichloroethene	1.00E-02	p	1.00E-02	r	-	-	-	-
Copper	3.71E-02	h	-	-	-	-	-	-
Dibenzo(a,h)anthracene	-	-	-	-	7.30E+00	n	3.10E+00	n
Dibenzofuran	1.00E-03	p	2.00E-03	r	-	-	-	-
Endrin	3.00E-04	i	3.00E-04	r	-	-	-	-
Ethylbenzene	1.00E-01	i	2.90E-01	i	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	7.30E-01	n	3.10E-01	n
Lead	-	-	-	-	-	-	-	-
Manganese	2.00E-02	i	1.40E-05	i	-	-	-	-
Methylene Chloride	6.00E-02	i	8.57E-01	h	7.50E-03	i	1.65E-03	i
Naphthalene	2.00E-02	i	8.57E-04	i	-	-	-	-
Nickel	2.00E-02	i	-	-	-	-	-	-
Pyrene	3.00E-02	i	3.00E-02	r	-	-	-	-
Trans-1,2-dichloroethene	2.00E-02	i	1.71E-02	p	-	-	-	-
Trichloroethene	3.00E-04	n	1.14E-02	n	4.00E-01	n	4.00E-01	n
Vinyl chloride	3.00E-03	i	2.86E-02	i	7.20E-01	i	1.54E-02	i
Zinc	3.00E-01	i	-	-	-	-	-	-

Key : i=IRIS p= PPRTV n=NCEA h=HEAST r=Route Extrapolation

- New inhalation reference dose values were identified for benzene ( $8.57\text{E-}03$ ), vinyl chloride ( $2.86\text{E-}02$ ), and Aroclor 1254 ( $2.00\text{E-}05$ ).

The limited changes in toxicity data discussed above are unlikely to have a significant effect on the risks posed by exposure to contaminants. The toxicity data changes identified during this evaluation were only present at three sites: Underground Storage Tank 12B (UST-12B), the South POL Area (IRP-SS-012), and the TCE Site (IRP-SS-019). The cancer risk estimated for these three sites were  $2.00\text{E-}05$ ,  $8.00\text{E-}06$ , and  $5.00\text{E-}05$ , respectively, and a removal action was subsequently conducted at the TCE Site to remove all contaminated soil that exceeded the  $1.00\text{E-}06$  risk level. The noncancer hazard estimates for these three sites were considered insignificant for all receptors. As a result, substantial changes in toxicity data would be required before unacceptable risk (i.e., greater than  $1\text{E-}04$ ) or hazard levels (i.e., greater than 1) would be reached that would call into question the protectiveness of the selected remedies for the Basewide Sites.

One source of uncertainty associated with the evaluation of changes in toxicity data for the Basewide Site is noted. Toxicity data from the risk assessment for the TCE Site (IRP-SS-019) could not be identified in the administrative record. As a result, toxicity data from the EPA Region 9 PRGs table dated October 2002 were used as a surrogate for trichloroethene, cis 1,2-dichloroethene, and trans 1,2-dichloroethene. Although the specific toxicity data used to calculate risks associated with the TCE Site are unknown, it is likely that they were taken from the same sources of toxicological data as were used to develop the EPA Region 9 PRGs. Furthermore, as discussed above, a removal action was subsequently conducted to reduce the risk estimate for this site below  $1.00\text{E-}06$ . As a result, while this assumption may represent a source of uncertainty, it is likely a small source of uncertainty.

### Landfill 1

For the majority of contaminants, no significant changes were identified when toxicity data from the Landfill 1 ROD was compared with current toxicity data. In most cases, changes in toxicity data were identified because new toxicity data have been developed that were not available when the Landfill 1 risk assessments were completed. New toxicity data were identified for the following COPCs:

- New oral cancer slope factors were identified for Aroclor 1254 ( $2.00\text{E-}00$ ) and methylene chloride ( $7.50\text{E-}03$ )
- New inhalation cancer slope factors were identified for Aroclor 1254 ( $2.00\text{E-}00$ ), bis(2-ethylhexyl)phthalate ( $1.40\text{E-}02$ ), and methylene chloride ( $1.65\text{E-}03$ )

- The oral slope factor for benzene increased from 2.90E-02 to 5.50E-02, which corresponds to a 90 percent increase
- New oral reference dose values were identified for benzene (4.00E-03) and methylene chloride (6.00E-02)
- New inhalation reference dose values were identified for Aroclor 1254 (2.00E-05), benzene (8.57E-03), bis(2-ethylhexyl)phthalate (2.00E-02), and dibenzofuran (2.00E-03)
- The oral reference dose for bis(2-ethylhexyl)phthalate decreased from 4.00E-03 to 1.00E-03, which corresponds to a 75 percent decrease.

The limited changes in toxicity data discussed above are unlikely to have a significant effect on the risks posed by exposure to contaminants because the maximum cancer risk and noncancer hazard for the Landfill 1 site were 6.00E-07 and 0.2, respectively, for a construction worker receptor. As a result, substantial changes in toxicity data would be required before unacceptable risk or hazard levels would be reached that would call into question the protectiveness of the selected remedies for the Landfill 1 site.

### ***Exposure Pathways and Assumptions***

As part of this Five-Year Review, site inspections were conducted at each of the Basewide sites and Landfill 1. As part of these inspections, changes in land use were evaluated to determine if the exposure pathways and assumptions used in the original risk assessments, which served as the basis for remedy selection, remain appropriate. The inspections were conducted on May 31, 2007, and copies of the site inspection checklists are included in Appendix C. These checklists document that:

- No change in land use on or near the site has occurred
- Human health or ecological routes of exposure or receptors have not changed or been newly identified that could affect the protectiveness of the selected remedy
- No new contaminants or contaminant sources have been identified
- No unanticipated toxic byproducts of the remedy were identified
- No changes in the physical conditions of the site have occurred that would affect the protectiveness of the remedy

The site inspections performed as part of the Five-Year Review support the conclusion that the exposure pathways and assumptions used to evaluate risks in the Basewide Sites and Landfill 1 risk assessments remain appropriate and the protectiveness of the selected remedy has not been called into question.

## **Cleanup Objectives (CUOs)**

### **Basewide Sites**

Eight soil removal actions were conducted at the Former O'Hare ARS to remove soil that contained contaminants at concentrations that resulted in unacceptable human health risk levels for either the present or future land uses. Removal actions were performed in compliance with the site-specific risk-based cleanup objectives (CUOs) established for six areas: AST-1702, IRP-SA-017, IRP-ST-002, OTH-TP/IRP-OT-016, IRP-IN-018, and IRP-SS-019. As part of this Five-Year Review, CUOs selected for the removal actions at these six sites were evaluated to determine if they remain valid.

A site-specific CUO for lead of 900 mg/kg was selected for the removal action performed at Elevated Water Storage Tank (AST-1702). The current Illinois TACO Tier I Industrial/Commercial value for lead is 800 mg/kg, which represents a decrease in the value that would likely be selected if the removal action was performed today. However, the site-specific CUO selected for the removal action at AST-1702 remains valid because the vast majority of confirmatory samples collected following the removal action contained less than 800 mg/kg of lead. Therefore, a true estimation of the mean concentration of lead remaining at AST-1702 is likely to be less than 800 mg/kg, which would be protective of potentially exposed receptors. As a result, the original CUO selected for the site remains valid because it resulted in an appropriate remedy being selected that will limit exposure to the site by workers and trespassers to a point where risks are acceptable.

At IRP-SA-017 and IRP-ST-002, the IEPA Cleanup Objectives Review Evaluation (CORE) committee approved a 1E-05 target risk level under the industrial/commercial scenario. Based on this target risk level, CUOs identified in Table E-9 were selected for the site. As discussed above, no significant changes in toxicity data have occurred for these chemicals. In addition, the 1E-05 target risk level is appropriate because it falls within EPA's target risk range of 1E-06 to 1E-04. As a result, the CUOs selected for IRP-SA-017 and IRP-ST-002 remain valid.

**Tables E-9. Cleanup Objectives for IRP-SA-017 and IRP-ST-002**

Chemical	Cleanup Objective (mg/kg)
Benzo(a)pyrene	3.0
Benzo(b)fluoranthene	30
Benzo(a)anthracene	30
Chrysene	3,000
Indeno(1,2,3-cd)pyrene	30

At the Former Trailer Park (OTH-TP/IRP-OT-016), CUOs selected by the BCTT were Tier I Industrial/Commercial cleanup objectives found in Appendix B of 35 IAC Part 742 (Tiered Approach to Corrective Action Objectives [TACO]), as listed in Table E-10. These values remain consistent with or are more conservative than the current Illinois TACO Tier I Industrial/Commercial values. Therefore, they remain valid.

**Table E-10. Cleanup Objectives at IRP-OT-016**

Chemical	Cleanup Objective (mg/kg)
Benzo(a)pyrene	0.80
Benzo(b)fluoranthene	5.0
Benzo(a)anthracene	2.0
Chrysene	160
Dibenzo(a,h)anthracene	0.80
Indeno(1,2,3-cd)pyrene	8.0

CUOs for the removal action at the Former Incinerator (IRP-IN-018) were calculated using a target risk of 1E-05. The IEPA CORE committee approved the 1E-05 target risk level under the industrial/commercial scenario, as listed in Table E-11. As discussed above, no significant changes in toxicity data have occurred for these chemicals. In addition, the 1E-05 target risk level is appropriate because it falls within EPA's target risk range of 1E-06 to 1E-04. As a result, the CUOs selected for IRP-IN-018 remain valid.

**Table E-11. Cleanup Objectives at IRP-IN-018**

Chemical	Cleanup Objective (mg/kg)
Benzo(a)pyrene	3.0
Benzo(b)fluoranthene	30
Benzo(a)anthracene	30
Chrysene	487.160
Dibenzo(a,h)anthracene	30
Indeno(1,2,3-cd)pyrene	30

Based on the human health risk evaluations for IRP-SS-019, CUOs for the removal action were calculated using a target risk of  $1\text{E-}06$ , as listed in Table E-12. As discussed above, no significant changes in toxicity data have occurred for these chemicals. These values remain consistent with or are more conservative than the current Illinois TACO Tier I Industrial/Commercial values. As a result, the CUOs selected for IRP-SS-019 remain valid.

**Table E-12. Cleanup Objectives at IRP-SS-019**

Chemical	Cleanup Objective (mg/kg)
Trichloroethene	7.5
Vinyl chloride	0.08
Cis-1,2-Dichloroethene	50
Trans-1,2-Dichloroethene	72
1,1-Dichloroethene	0.4
1,1-Dichloroethane	600
1,2-Dichloroethane	0.7

#### Landfill 1

Risk estimates for the Landfill 1 site were significantly less than  $1.00\text{E-}06$ . As a result, no site-specific CUOs have been established.

#### **Remedial Action Objectives (RAOs)**

As part of the Five-Year Review process, an evaluation was performed to determine if the RAOs selected in the Basewide Sites ROD and the Landfill 1 ROD remain appropriate. The RAOs in the Basewide Sites ROD were:

- Prevent use of sites at the Former O'Hare ARS which could result in human exposures to contaminants of concern (COCs) in soils which are greater than those evaluated in risk assessments for the projected future use of the property
- Prevent groundwater with concentrations of COCs in excess of preliminary remediation goals from becoming available to potential human receptors.



Based on the results of the site inspections, the remedies selected for the Basewide Sites are meeting the RAOs. In addition, no changes have occurred or additional data have been identified that would cause the protectiveness of the selected remedies to be called into question.

The RAOs outlined in the Landfill 1 ROD were:

- Prevent use of the Landfill 1 site which could result in human exposures to contaminants of concern (COCs) in soils which are greater than those evaluated in risk assessments for the projected future use of the property
- Prevent consumption, use or exposure to groundwater with concentrations of benzene or benzo(a)pyrene in excess drinking water standards.

Based on the results of the site inspections, the remedy selected for the Landfill 1 site is meeting the RAOs. In addition, no changes have occurred or additional data have been identified that would cause the protectiveness of the selected remedies to be called into question.

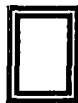
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